ORDER NO. ACED071207C7
C4

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-RX200U
CQ-RX100U
CQ-RX100L

WMA MP3 CD Player/Receiver

(CQ-RX100U)

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

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Panasonic

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1 Service Navigation

1.1. About Lead Free Solder (PbF)

Distinction of PbF PCB :

- PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)

1.2. Laser Products

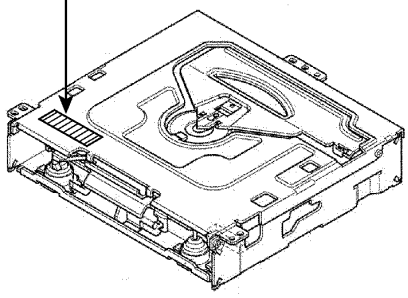
CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

1.3. Replacing the Fuse

Use fuses of the same specified rating 15 amps. Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

1.4. Maintenance

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

1.5. Notes

[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

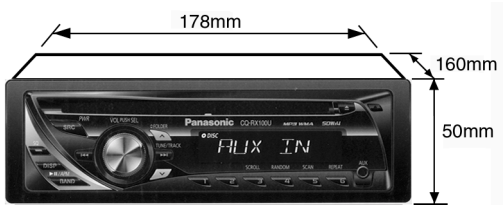
2 Specifications

2.1. Specifications*

General	
Power Supply	DC 12V (11V - 16V) Test Voltage 14.4V Negative Ground
Current Consumption	Less than 2.1A (CD mode, 0.5W 4-Channels)
Maximum Power Output	50W × 4 (at 1kHz), volume control maximum
Tone/SQ Adjustable Range	SQ Low/Bass:±12dB (at 60 Hz, 80 Hz, 100 Hz, 200Hz) SQ Mid: ±12 dB (at 500 Hz, 1 kHz, 2 kHz, 3kHz) SQ High/Treble: ±12 dB (at 10kHz, 12kHz, 15 kHz, 18 kHz)
Speaker Impedance	4 - 8 Ω
Pre-amp Output Voltage	2.0 V (CD mode: 1 kHz, 0 dB)
Pre-amp Output Impedance	200 Ω
Front AUX Input	
Input Impedance	10 kΩ
Allowable External Input	2.0 V
Connector	3.5 mm Stereo mini-pin
Dimensions (W×H×D)**	178×50×160mm (7”×1-5/16"×6-5/16")
Weight**	1.2 kg (2 lbs. 10 oz)
Disc Player	
Sampling Frequency	8 times oversampling
DA Converter	1 bit DAC System
Pick-Up Type	Astigma 3-beam
Light Source	Semiconductor Laser
Wave Length	790 nm
Frequency Response	20 Hz - 20 kHz (±1 dB)
Signal to Noise Ratio	96 dB
Total Harmonic Distortion	0.01 % (1 kHz)
Wow and Flutter	Below Measurable Limits
Channel Separation	85 dB
FM Radio	
Frequency Range	87.9 MHz - 107.9 MHz
Usable Sensitivity	10.2 dBf (0.9 μV, 75 Ω)
50 dB Quieting Sensitivity	15.2 dBf (1.6 μV, 75Ω)
Frequency Response	30 Hz - 15 kHz (±3 dB)
Alternate Channel Selectivity	75 dB
Stereo Separation	35 dB (at 1 kHz)
Image Rejection Ratio	55 dB
IF Rejection Ratio	100 dB
Signal to Noise Ratio	62 dB
AM Radio	
Frequency Range	530 kHz - 1710 kHz
Usable Sensitivity	27 dB/μV (22μV, S/N 20 dB)

* Specifications and the design are subject to possible modification without notice due to improvements.
** Dimensions and Weight shown are approximate.
** Above specifications comply with EIA standards.

2.2. Dimensions



3 Features

- SQ3 (3-Band Sound Quality).
- The AUX Input terminal is equipped on the front panel.
- Expansion Module (The optional Hub unit: CY-EM100U) [CQ-RX200U only].
- The optional adapter (Direct Cable for iPod, CA-DC300U) allows you to connect the optional iPod® series.
- The optional adapter (Conversion Cable for DVD/CD Changer:CA-CC30U) allows you to connect the optional Panasonic CD changer unit (CX-DP880U).
- XM Satellite Radio. (The optional XM receiver: XMD1000)
- Sirius Satellite Radio. (The optional Sirius Satellite receiver: SIR-PAN1)
- Hands Free Phone System. (The optional Bluetooth hands-free kit: CY-BT200U)
- MP3/WMA Playback from CD-R/RW.
- Anti-Theft System.
- This manual is for 3 models CQ-RX200U, CQ-RX100U and CQ-RX100L. The following table describes the differences between 3 models.

Models / Features	CQ-RX200U	CQ-RX100U	CQ-RX100L
Removable Face Plate Case	Not included	Not included	Included
System Upgrade Guidebook	Included	Not included	Not included
System-up Connector	Supported	Not Supported	Not Supported
Preamp Out Connector	1 (Rear)	1 (Rear)	1 (Rear)
USB Connector	Not Supported	Not Supported	Not Supported
AAC playback	Not Supported	Not Supported	Not Supported
Button Logo Color	Blue	Blue	Red

4 Technical Descriptions

4.1. Terminals Description

4.1.1. Main Block

IC601 : YESAM434 (CQ-RX200U)

Pin No	Port	Description	I/O	Vol [V]		
				FM	AM	CD
1	DBGP0	Not used	-	0	0	0
2	DBGP1	Not used	-	0	0	0
3	DBGP2	Not used	-	0	0	0
4	RDS CLK	Not connected	-	2.5	2.5	2.5
5	RM DATA	Remote control data	I	4.6	4.6	4.6
6	CDC STB/ SYSID4	CD changer Strobe; or Hub connection device ID 4	I	0	0	0
7	EVENT	Hub event detection	I	0	0	0
8	RESET	System reset	I	4.9	4.9	4.9
9	XT1	Crystal oscillator 1 (32.768kHz)	I	1.0	1.0	1.0
10	XT2	Crystal oscillator 2 (32.768kHz)	O	1.4	1.4	1.4
11	VSS	Ground	-	0	0	0
12	CF1	Ceramic oscillator 1 (13.50MHz)	I	1.4	1.4	1.4
13	CF2	Ceramic oscillator 2 (13.50MHz)	O	1.3	1.3	1.3
14	VDD	+5V power supply	-	5.0	5.0	5.0
15	INI A	Initialization mode A (RX200U: Pulled up; Others: Pulled down)	I	4.9	4.9	4.9
16	VSM	Signal meter intensity (Tuner)	I	0	0	0
17	INI B	Initialization mode B (Pulled down)	I	0	0	0
18	USB FLG	Not connected	-	0	0	0
19	USB RESET	Not connected	-	0	0	0
20	NC	Not connected	-	0	0	0
21	SYSID1	Hub connection device ID 1	I	5.0	5.0	5.0
22	SYSID2	Hub connection device ID 2	I	5.0	5.0	5.0
23	USB MUTE	Not connected	-	0	0	0
24	CDC DATA	Serial data from CD changer	I	0	0	0
25	CDC CLK/ SYSID3	Serial clock for CD changer; or Hub connection device ID 3	I	0	0	0
26	CD DI (CD SI)	Serial data to CD	O	0	0	3.0
27	CD DO (CD SO)	Serial data from CD	I	3.2	3.2	2.2
28	CD CLK	Serial clock for CD	O	0	0	3.0
29	CD CE (FS)	Chip enable for CD	O	0	0	0.9
30	NC	Not connected	-	0	0	0
31	NC	Not connected	-	0	0	0
32	NC	Not connected	-	0	0	0
33	SUB READY0	Sub ready from CD servo	I	5.1	5.1	4.9
34	REG READY0	Reg. ready from CD servo	I	5.1	5.1	0
35	CD SW1	CD detection switch 1	I	4.9	4.9	4.9
36	CD SW2	CD detection switch 2	I	4.9	4.9	4.9
37	CD DMUTE	CD mute	I	0	0	5.1
38	CD LIMIT SW	CD limit detection switch	I	5.1	5.1	5.1
39	VSS	Ground	-	0	0	0
40	VDD	+5V power supply	-	4.9	4.9	4.9
41	CD MUTE	Mute for Pick-up driver	O	0	0	0
42	CD S/L	CD Sleding/Loading mode switch	O	4.9	4.9	4.9
43	CD F/R	CD loading direction: Forward/Reverse	O	0	0	0
44	CD RESET	CD reset	O	4.9	4.9	4.9
45	HUB ACC CNT	Power supply control for Hub (External device)	O	0	0	0
46	HUB CNT	Hub connection check request	O	4.9	4.9	4.9
47	USB ENBL	Not connected	-	0	0	0
48	USB SLP	Not connected	-	0	0	0
49	LCD DI	Serial data to LCD	O	4.9	4.9	4.9
50	LCD DO	Serial data from LCD	I	4.3	4.3	4.3
51	LCD CLK	Serial clock for LCD	O	4.9	4.9	4.9
52	LCD CE	Chip enable for LCD CPU	O	0	0	0
53	E-VOL I2C DATA	Serial data for Audio signal processor (volume)	O	4.9	4.9	4.9
54	E-VOL I2C CLK	Serial clock for Audio signal processor	O	4.9	4.9	4.9
55	VDD	+5V power supply	-	4.9	4.9	4.9
56	VSS	Ground	-	0	0	0
57	E-VOL MUTE	Not connected	-	0	0	0
58	POWER CNT	System power supply control	O	4.9	4.9	4.9
59	STBY	Standby mode for Power amplifier	O	4.9	4.9	4.9
60	NC	Not connected	-	0	0	0
61	NC	Not connected	-	0	0	0
62	SUB CLK OUT	Not connected	-	0	0	0
63	NC	Not connected	-	0	0	0
64	BEEP	Beep tone	O	0	0	0
65	USB IN	Not connected	-	0	0	0
66	ACC	ACC level detection	I	5.2	5.2	5.2
67	NC	Not connected	-	0	0	0
68	MODE B	Rotary encoder detection B for volume	I	5.0	5.0	5.0
69	MODE A	Rotary encoder detection A for volume	I	5.0	5.0	5.0
70	EXT MUTE	Not connected	-	0	0	0
71	PANEL IN	Front panel detection	I	4.9	4.9	4.9
72	BATT	Battery level detection	I	4.6	4.6	4.6
73	RDS DATA	Not connected	-	2.5	0	0
74	CDC REM OUT	Remote control for CD changer	O	0	0	0
75	HUB-TX	Transmission data to Hub	O	0	0	0
76	HUB-RX	Reception data from Hub	I	0	0	0
77	USB RXD	Not connected	-	0	0	0
78	USB TXD	Not connected	-	0	0	0
79	FM MODE	Power supply control for FM mode	O	4.9	0	0
80	AM MODE	Power supply control for AM mode	O	0	4.9	0
81	MONO	Not connected	-	0	0	0
82	ST	FM stereo indication	I	5.1	5.1	5.1
83	DI/DO	Serial data for EEPROM	I/O	0	0	0
84	CS	Chip select for EEPROM	O	0	0	0
85	SK	Serial clock for EEPROM	O	0	0	0
86	NC	Not connected	-	0	0	0
87	VREG	Connected to capacitor	-	3.0	3.0	3.0
88	VSS	Ground	-	0	0	0
89	VDD (PLL)	+5V power supply	-	5.0	5.0	5.0
90	OSC FM/AM	FM/AM local oscillation frequency	I	1.4	1.4	1.4
91	NC	Ground	-	0	0	0
92	FM/AM IFC	FM/AM center frequency	I	0	0	0
93	NC	Ground	-	0	0	0
94	EO	FM/AM phase detection error	O	2.2	2.2	2.2

Pin No	Port	Description	I/O	Vol [V]		
				FM	AM	CD
95	SUBPD	Not connected	-	0	0	0
96	SSC	SD sensitivity control	O	0	0	0
97	ANT CNT	Not connected	-	4.9	4.9	4.9
98	AMP CNT	Not connected	-	4.9	4.9	4.9
99	AF MUTE	Audio signal mute	O	0	0	0
100	AMP MUTE	Mute for Power amplifier	O	4.9	4.9	4.9

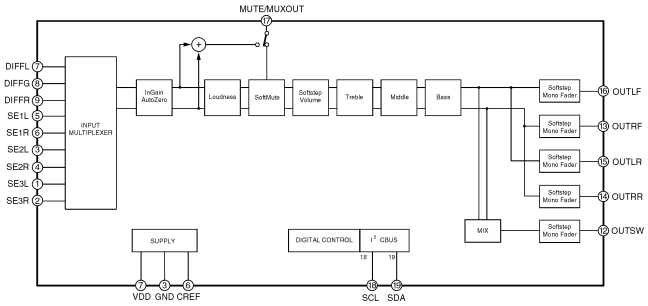
IC601 : YESAM430 (CQ-RX100U/RX100L)

Pin No	Port	Description	I/O	Vol [V]		
				FM	AM	CD
1	DBGP0	Not used	-	0	0	0
2	DBGP1	Not used	-	0	0	0
3	DBGP2	Not used	-	0	0	0
4	RDS CLK	Not connected	-	2.5	2.5	2.5
5	RM DATA	Remote control data	I	4.6	4.6	4.6
6	CDC STB/ SYSID4	Not connected	-	-	-	-
7	EVENT	Not connected	-	-	-	-
8	RESET	System reset	I	4.9	4.9	4.9
9	XT1	Crystal oscillator 1 (32.768kHz)	I	1.0	1.0	1.0
10	XT2	Crystal oscillator 2 (32.768kHz)	O	1.4	1.4	1.4
11	VSS	Ground	-	0	0	0
12	CF1	Ceramic oscillator 1 (13.50MHz)	I	1.4	1.4	1.4
13	CF2	Ceramic oscillator 2 (13.50MHz)	O	1.3	1.3	1.3
14	VDD	+5V power supply	-	5.0	5.0	5.0
15	INI A	Initialization mode A (RX200U: Pulled up; Others: Pulled down)	I	4.9	4.9	4.9
16	VSM	Signal meter intensity (Tuner)	I	0	0	0
17	INI B	Initialization mode B (Pulled down)	I	0	0	0
18	USB FLG	Not connected	-	0	0	0
19	USB RESET	Not connected	-	0	0	0
20	NC	Not connected	-	0	0	0
21	SYSID1	Not connected	-	-	-	-
22	SYSID2	Not connected	-	-	-	-
23	USB MUTE	Not connected	-	0	0	0
24	CDC DATA	Serial data from CD changer	I	0	0	0
25	CDC CLK/ SYSID3	Not connected	-	-	-	-
26	CD DI (CD SI)	Not connected	-	-	-	-
27	CD DO (CD SO)	Serial data from CD	I	3.2	3.2	2.2
28	CD CLK	Serial clock for CD	O	0	0	3.0
29	CD CE (FS)	Chip enable for CD	O	0	0	0.9
30	NC	Not connected	-	0	0	0
31	NC	Not connected	-	0	0	0
32	NC	Not connected	-	0	0	0
33	SUB READY0	Sub ready from CD servo	I	5.1	5.1	4.9
34	REG READY0	Reg. ready from CD servo	I	5.1	5.1	0
35	CD SW1	CD detection switch 1	I	4.9	4.9	4.9
36	CD SW2	CD detection switch 2	I	4.9	4.9	4.9
37	CD DMUTE	CD mute	I	0	0	5.1
38	CD LIMIT SW	CD limit detection switch	I	5.1	5.1	5.1
39	VSS	Ground	-	0	0	0
40	VDD	+5V power supply	-	4.9	4.9	4.9
41	CD MUTE	Mute for Pick-up driver	O	0	0	0
42	CD S/L	CD Sleding/Loading mode switch	O	4.9	4.9	4.9
43	CD F/R	CD loading direction: Forward/Reverse	O	0	0	0
44	CD RESET	CD reset	O	4.9	4.9	4.9
45	HUB ACC CNT	Not connected	-	-	-	-
46	HUB CNT	Not connected	-	-	-	-
47	USB ENBL	Not connected	-	0	0	0
48	USB SLP	Not connected	-	0	0	0
49	LCD DI	Serial data to LCD	O	4.9	4.9	4.9
50	LCD DO	Serial data from LCD	I	4.3	4.3	4.3
51	LCD CLK	Serial clock for LCD	O	4.9	4.9	4.9

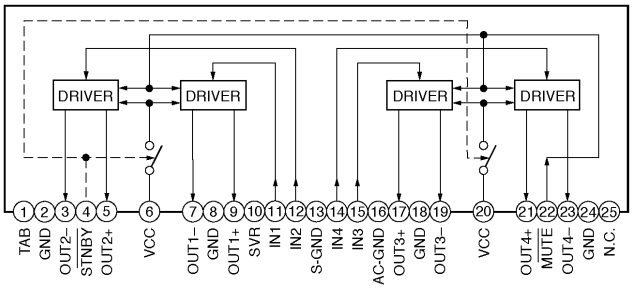
Pin No	Port	Description	I/O	Vol [V]		
				FM	AM	CD
52	LCD CE	Chip enable for LCD CPU	O	0	0	0
53	E-VOL I2C DATA	Serial data for Audio signal processor (volume)	O	4.9	4.9	4.9
54	E-VOL I2C CLK	Serial clock for Audio signal processor	O	4.9	4.9	4.9
55	VDD	+5V power supply	-	4.9	4.9	4.9
56	VSS	Ground	-	0	0	0
57	E-VOL MUTE	Not connected	-	0	0	0
58	POWER CNT	System power supply control	O	4.9	4.9	4.9
59	STBY	Standby mode for Power amplifier	O	4.9	4.9	4.9
60	NC	Not connected	-	0	0	0
61	NC	Not connected	-	0	0	0
62	SUB CLK OUT	Not connected	-	0	0	0
63	NC	Not connected	-	0	0	0
64	BEEP	Not connected	-	-	-	-
65	USB IN	Not connected	-	0	0	0
66	ACC	ACC level detection	I	5.2	5.2	5.2
67	NC	Not connected	-	0	0	0
68	MODE B	Rotary encoder detection B for volume	I	5.0	5.0	5.0
69	MODE A	Rotary encoder detection A for volume	I	5.0	5.0	5.0
70	EXT MUTE	Not connected	-	0	0	0
71	PANEL IN	Front panel detection	I	4.9	4.9	4.9
72	BATT	Battery level detection	I	4.6	4.6	4.6
73	RDS DATA	Not connected	-	2.5	0	0
74	CDC REM OUT	Not connected	-	-	-	-
75	HUB-TX	Not connected	-	-	-	-
76	HUB-RX	Not connected	-	-	-	-
77	USB RXD	Not connected	-	0	0	0
78	USB TXD	Not connected	-	0	0	0
79	FM MODE	Power supply control for FM mode	O	4.9	0	0
80	AM MODE	Power supply control for AM mode	O	0	4.9	0
81	MONO	Not connected	-	0	0	0
82	ST	FM stereo indication	I	5.1	5.1	5.1
83	DI/DO	Not connected	-	-	-	-
84	CS	Not connected	-	-	-	-
85	SK	Not connected	-	-	-	-
86	NC	Not connected	-	0	0	0
87	VREG	Connected to capacitor	-	3.0	3.0	3.0
88	VSS	Ground	-	0	0	0
89	VDD (PLL)	+5V power supply	-	5.0	5.0	5.0
90	OSC FM/AM	FM/AM local oscillation frequency	I	1.4	1.4	1.4
91	NC	Ground	-	0	0	0
92	FM/AM IFC	FM/AM center frequency	I	0	0	0
93	NC	Ground	-	0	0	0
94	EO	FM/AM phase detection error	O	2.2	2.2	2.2
95	SUBPD	Not connected	-	0	0	0
96	SSC	SD sensitivity control	O	0	0	0
97	ANT CNT	Not connected	-	4.9	4.9	4.9
98	AMP CNT	Not connected	-	4.9	4.9	4.9
99	AF MUTE	Audio signal mute	O	0	0	0
100	AMP MUTE	Mute for Power amplifier	O	4.9	4.9	4.9

4.2. IC Block Diagram

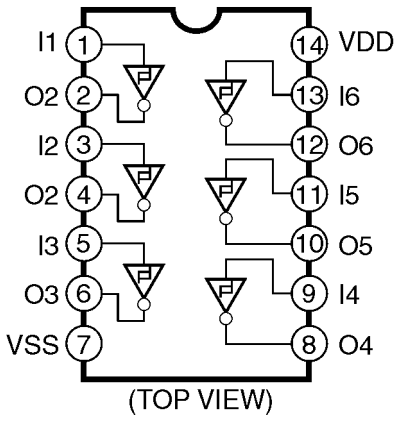
4.2.1. Main Block



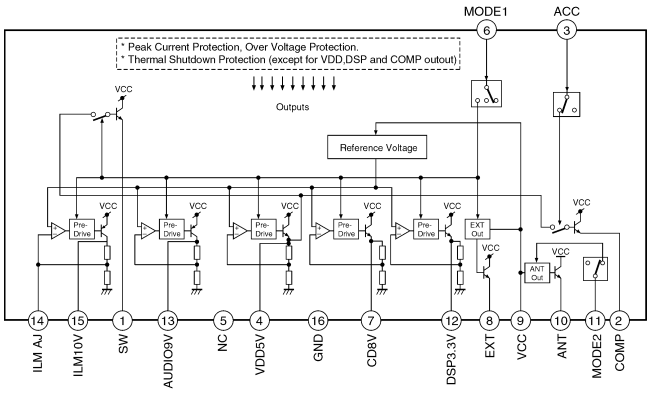
IC201 : YESAM440



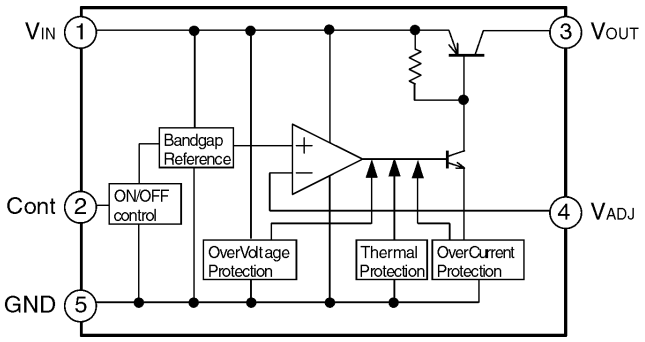
IC271 : C1EA00000041



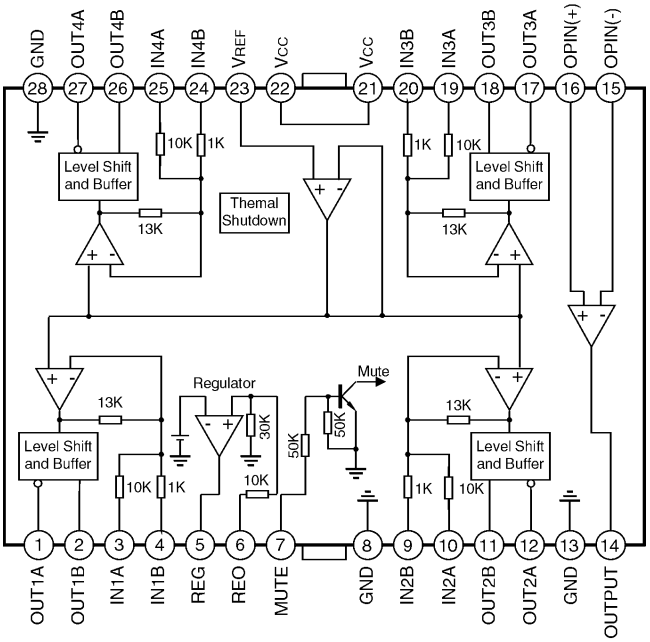
IC671 : YESAM391



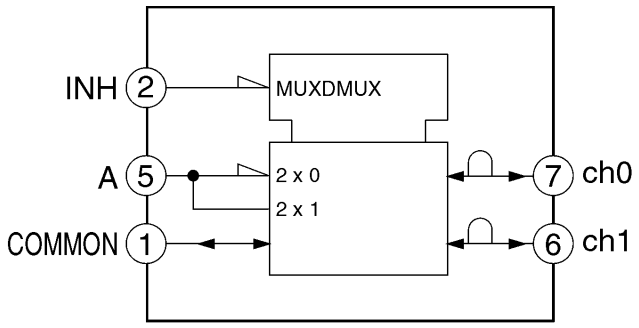
IC751 : YESAM424



IC791 : YESAM344 (CQ-RX200U only)



IC851 : YESAM437

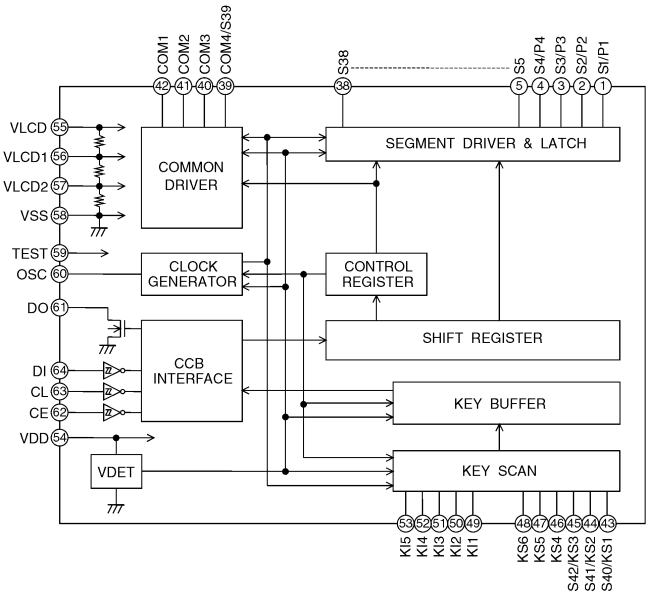


CONTROL INPUT		ON CHANNEL
INH	A	
L	L	ch 0
L	H	ch 1
H	x	NONE

x : Don't care

IC852 : YESAM439

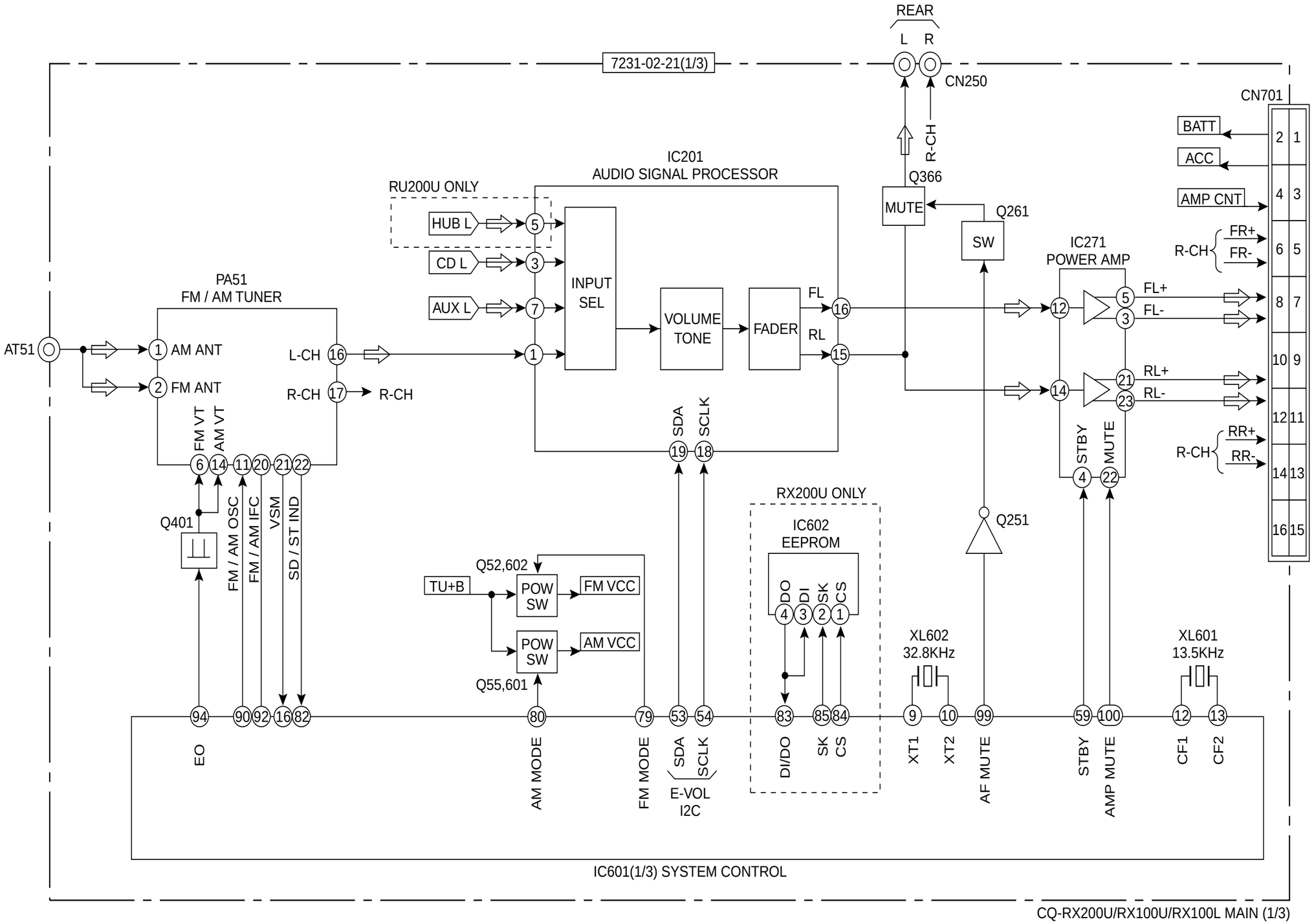
4.2.2. Display Block



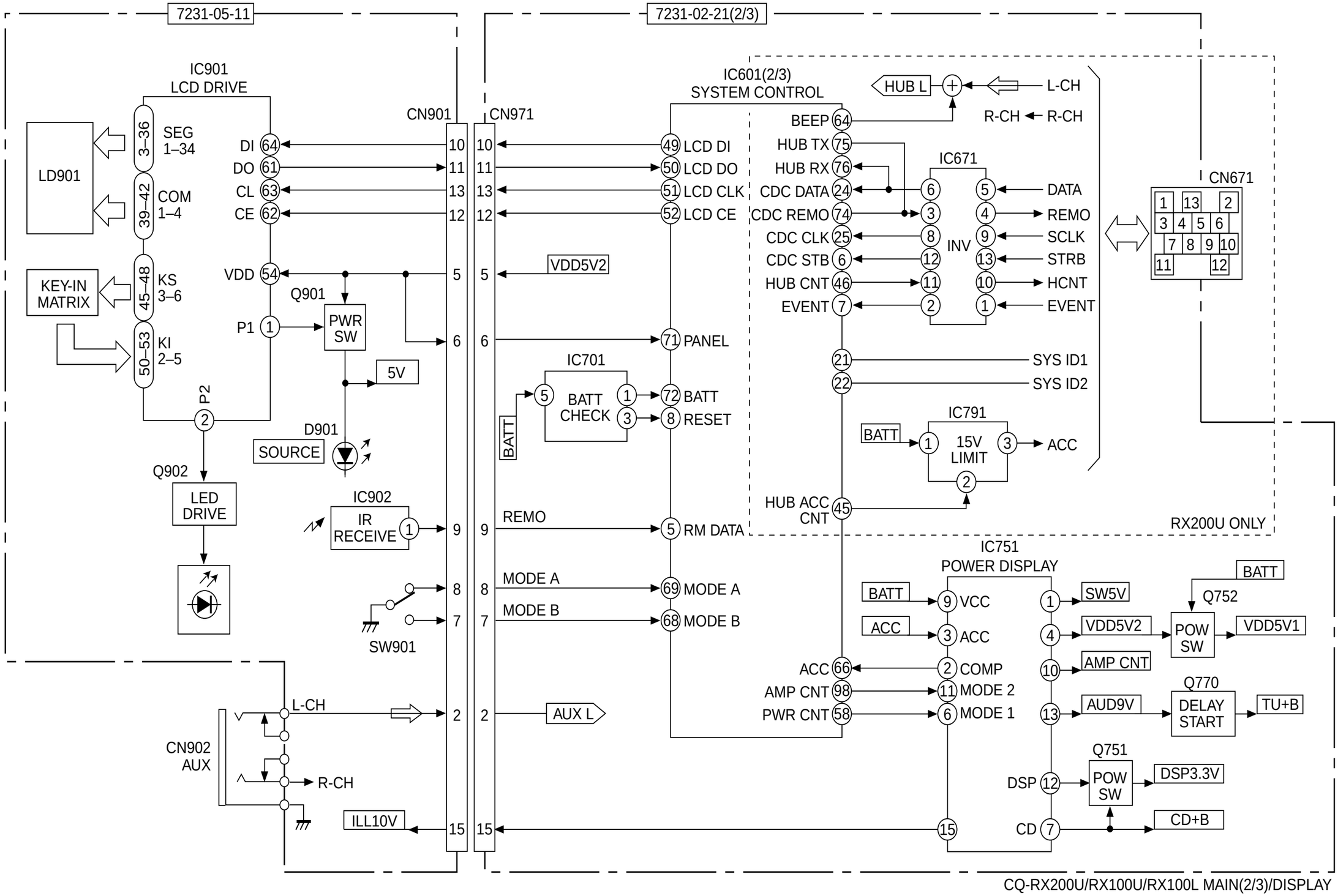
IC901 : YESAM427

5 Block Diagram

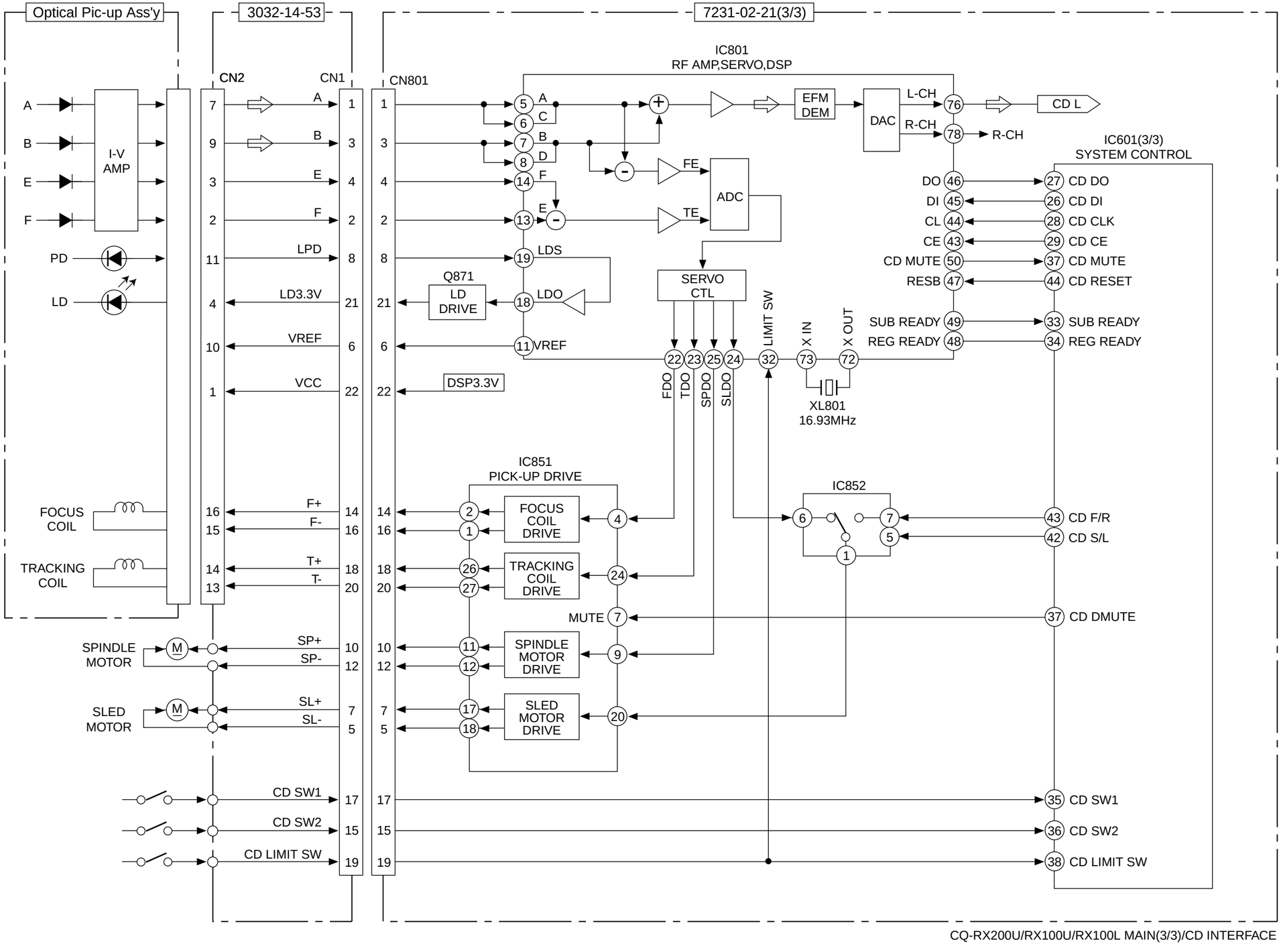
5.1. Main-1 Block



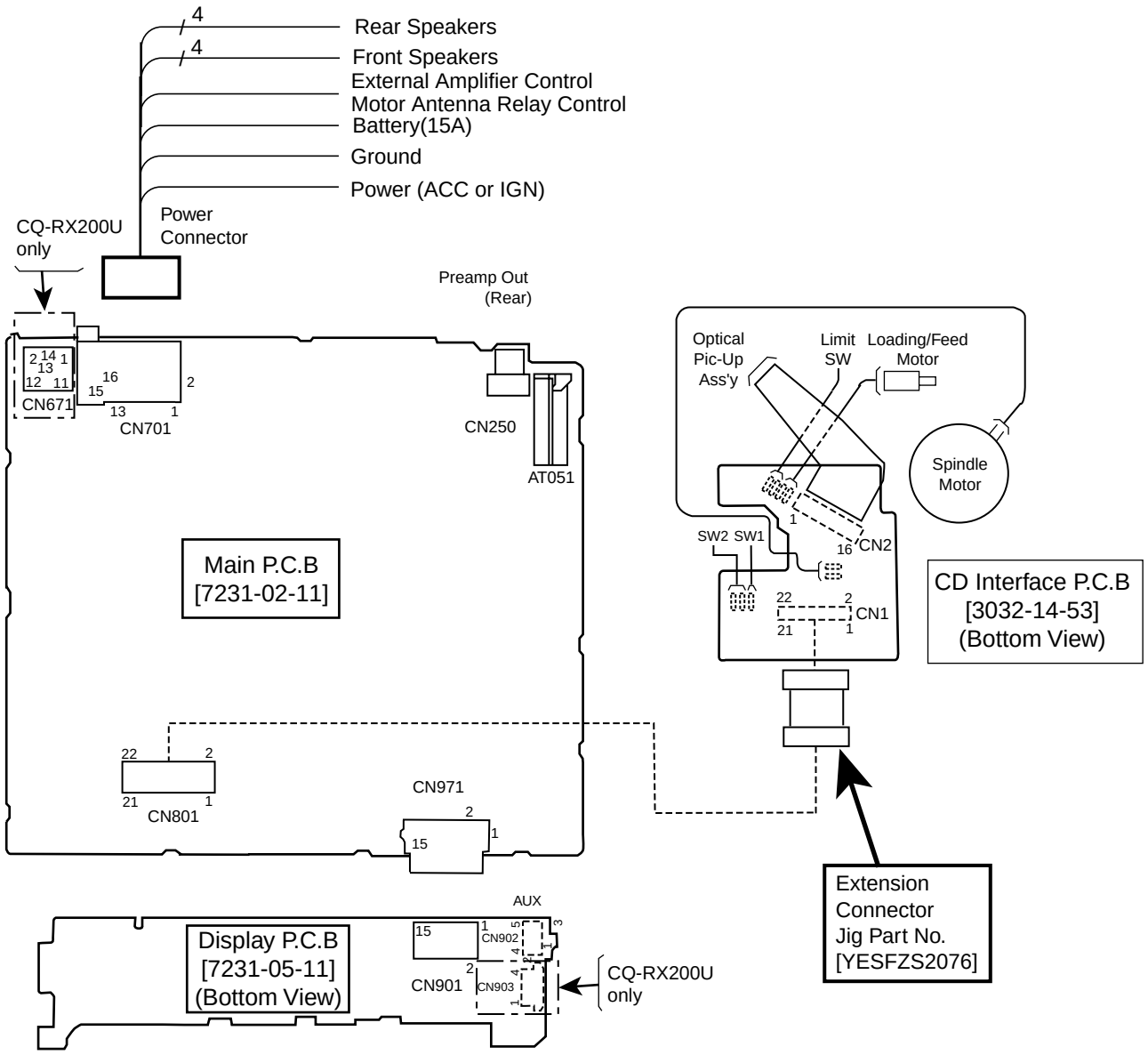
5.2. Main-2/Display Block



5.3. Main-3/CD Interface Block

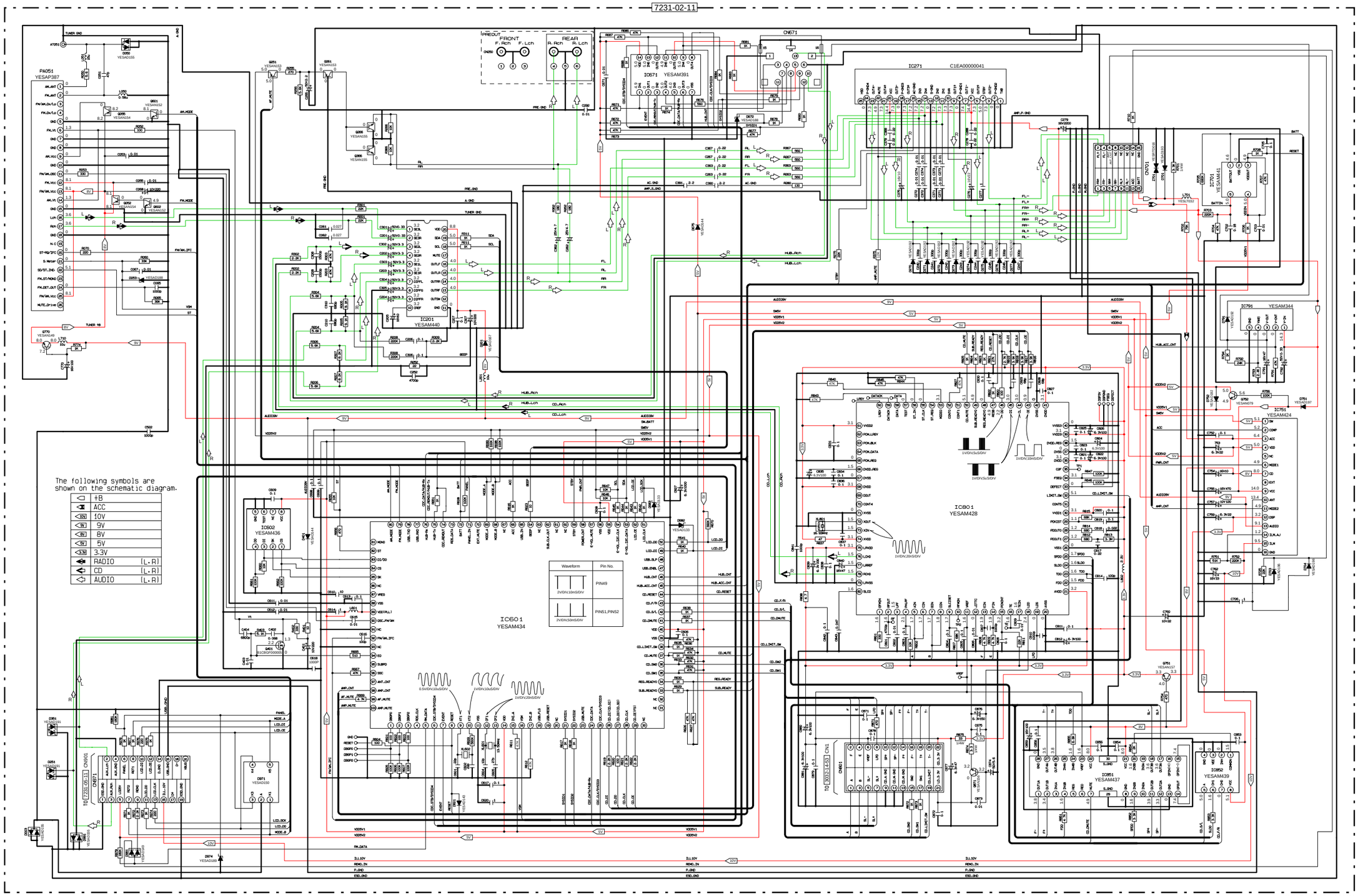


6 Wiring Connection Diagram

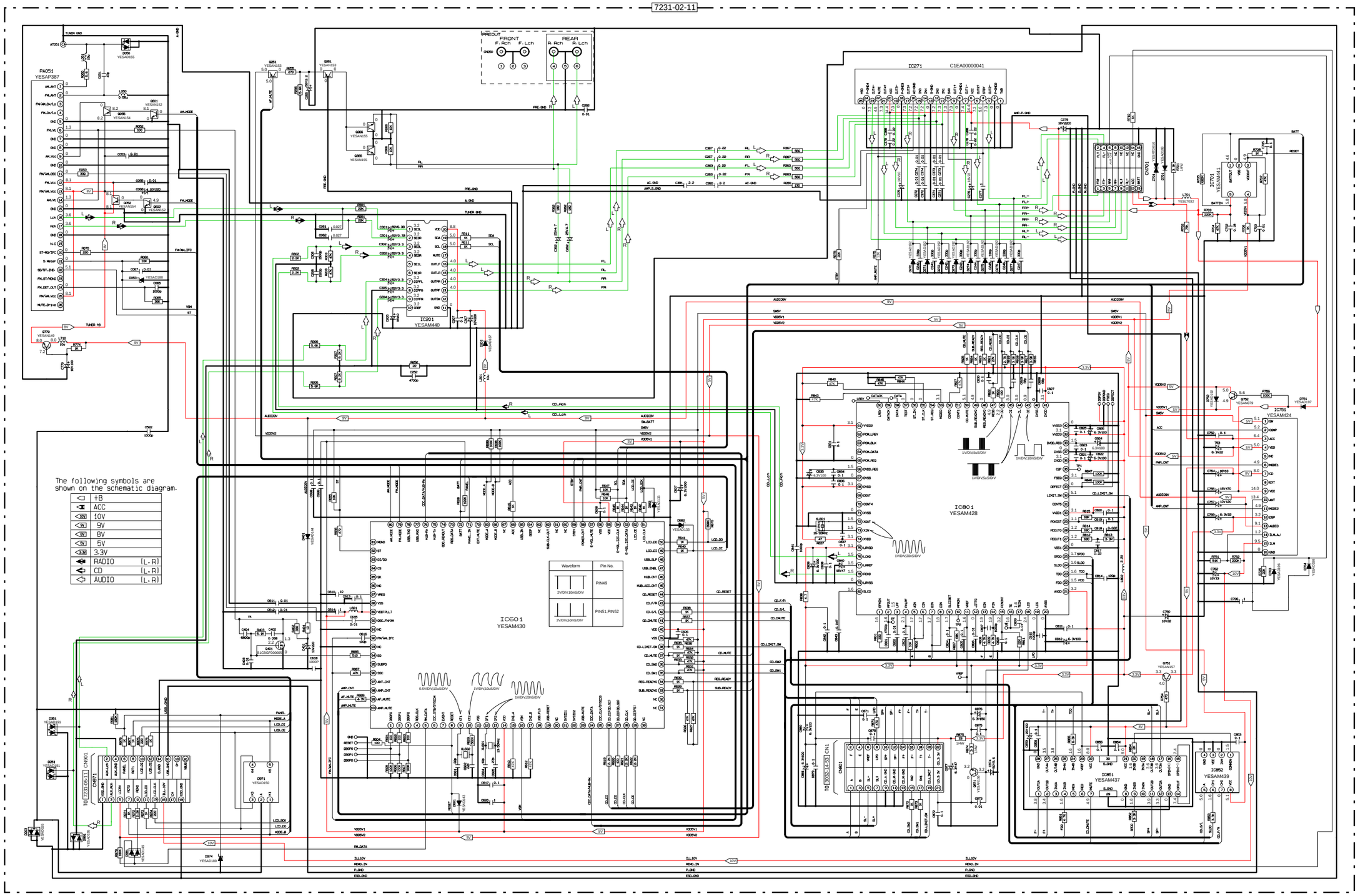


7 Schematic Diagram

7.1. Main Block[CQ-RX200U]

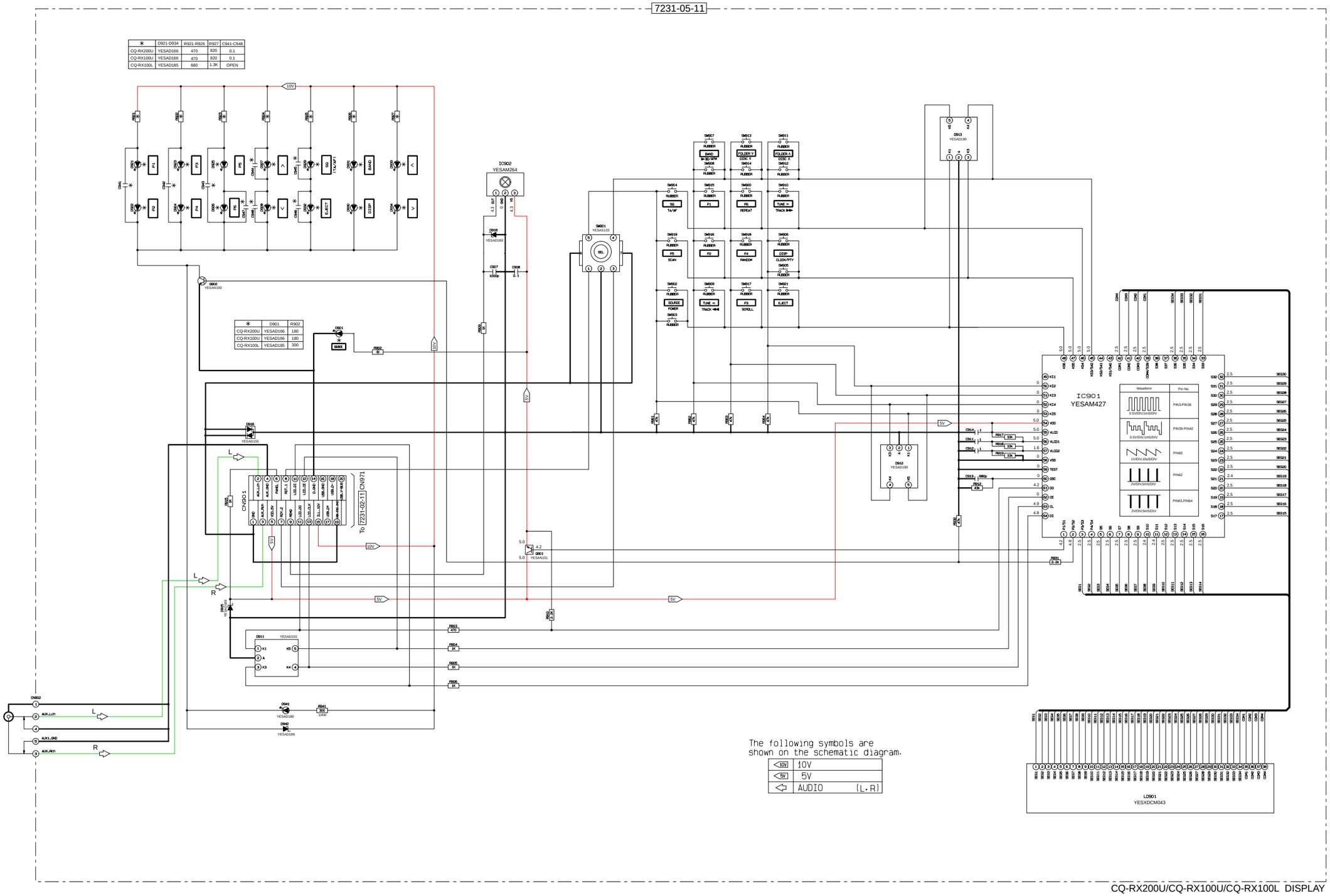


7.2. Main Block[CQ-RX100U/RX100L]



CQ-RX100U/CQ-RX100L MAIN

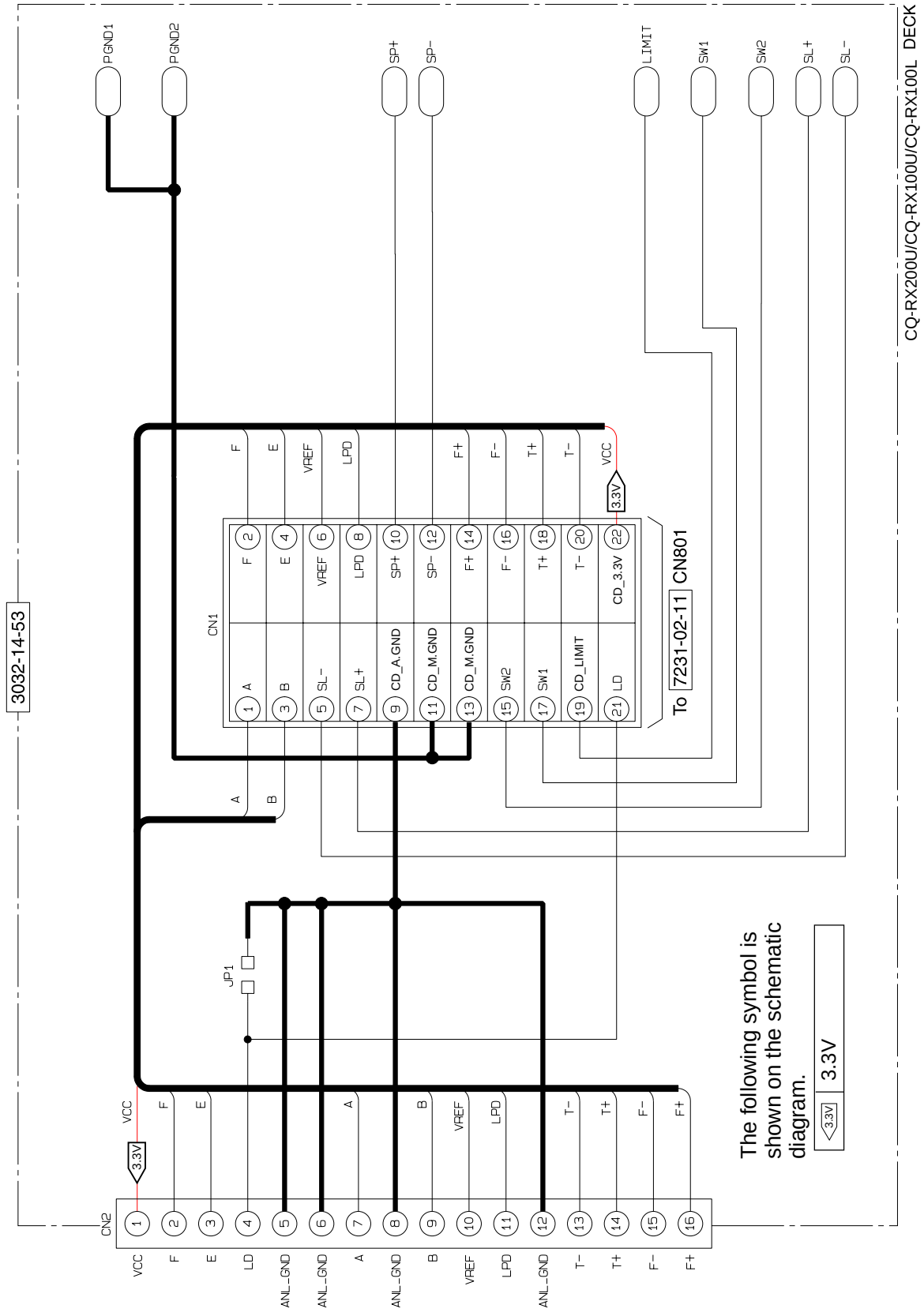
7.3. Display Block



CQ-RX200U/CQ-RX100U/CQ-RX100L DISPLAY

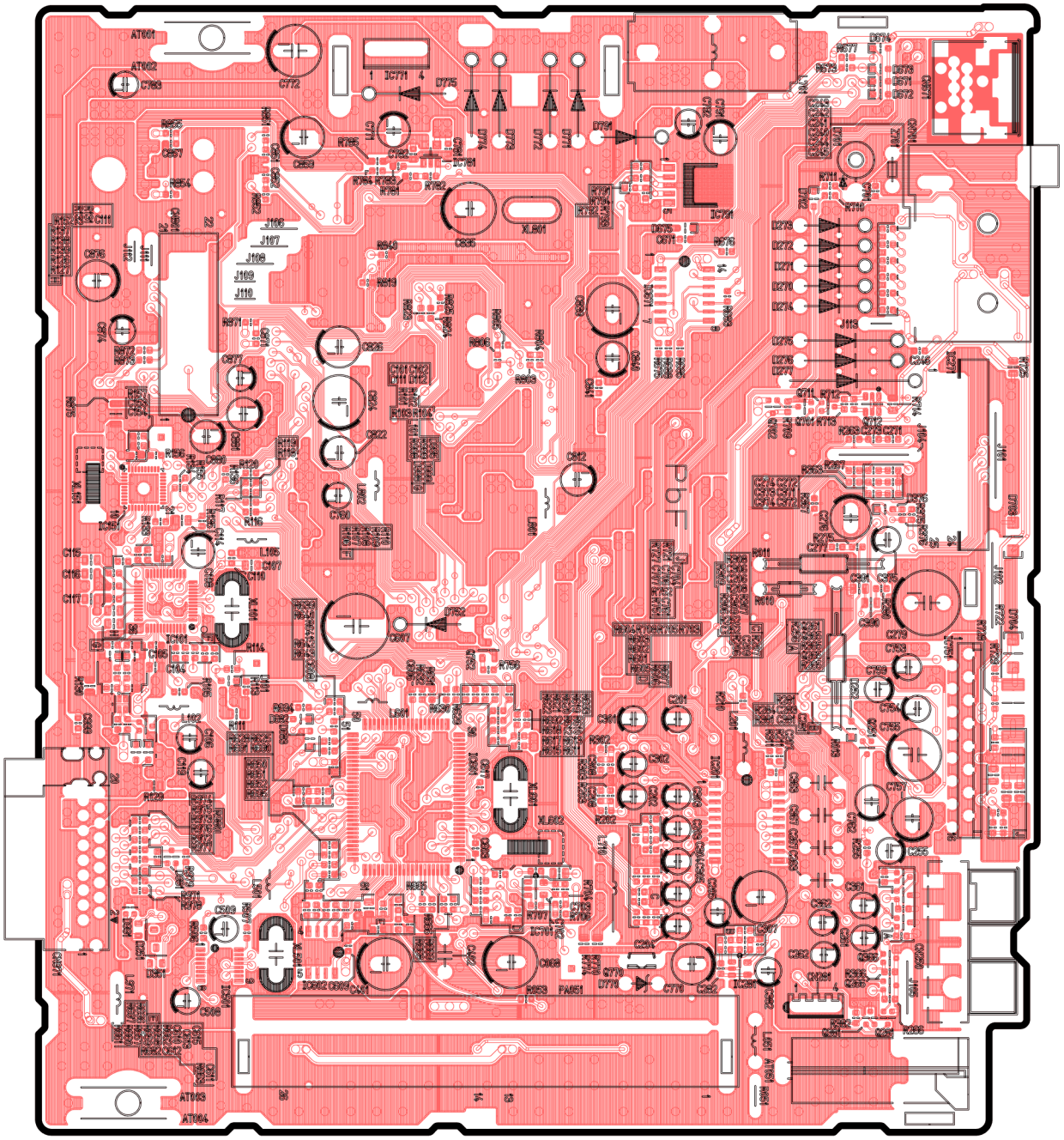
8 Schematic Diagram-2

8.1. CD Interface Block



9 Printed Circuit Board

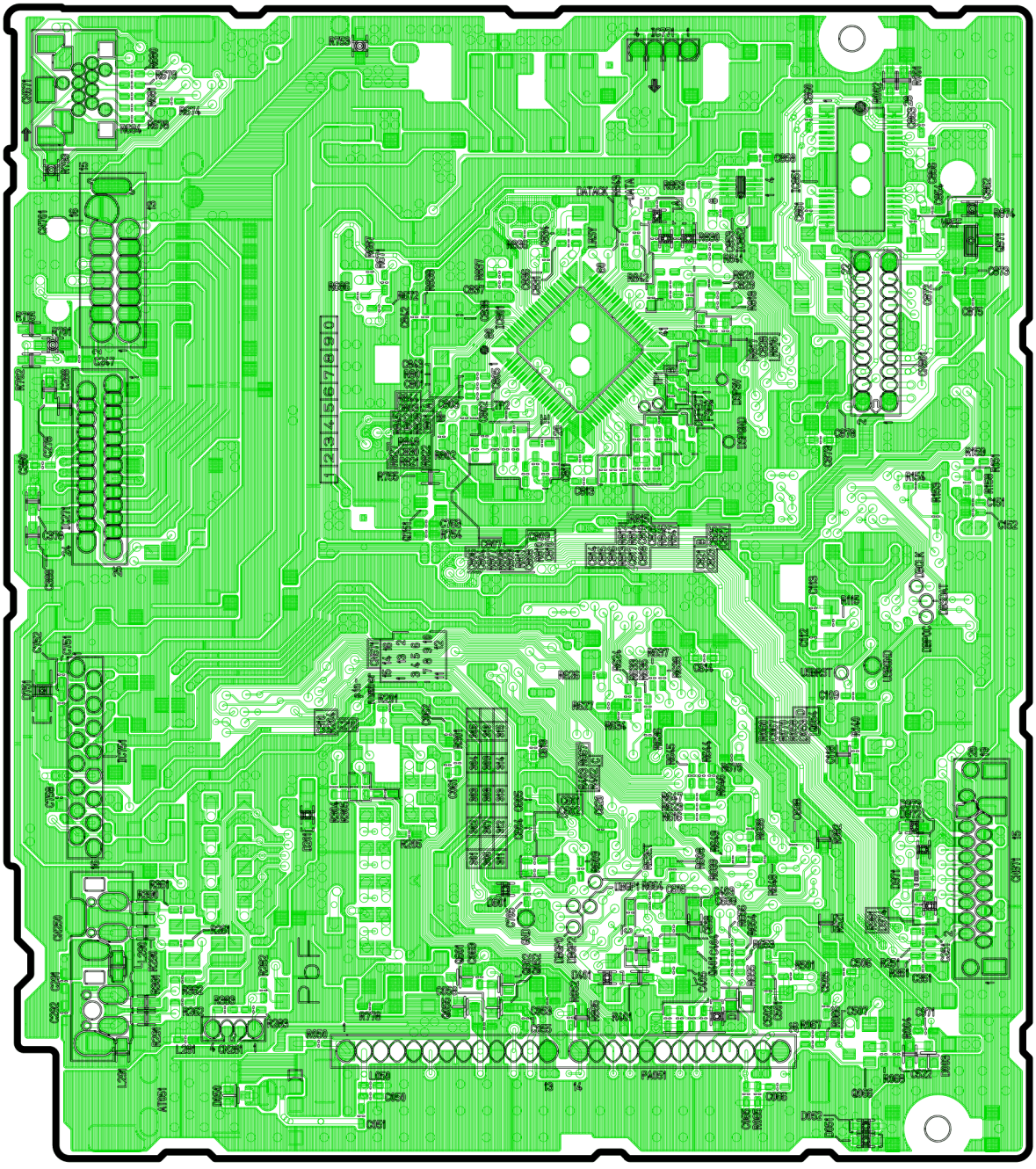
9.1. Main Block (Top View)



[7231-02-11] [Top View]

CQ-RX200U/RX100U/RX100L MAIN P.C.B

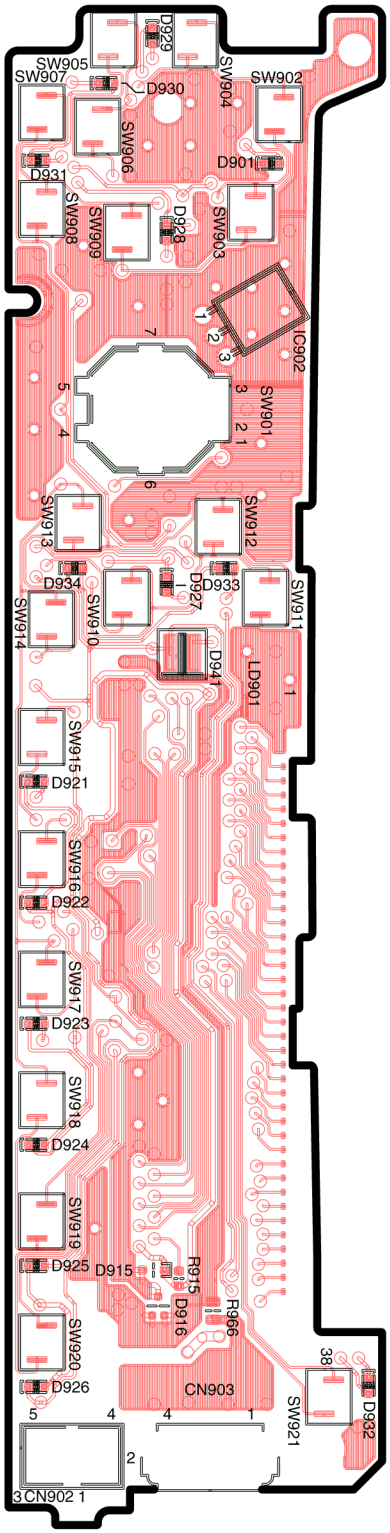
9.2. Main Block (Bottom View)



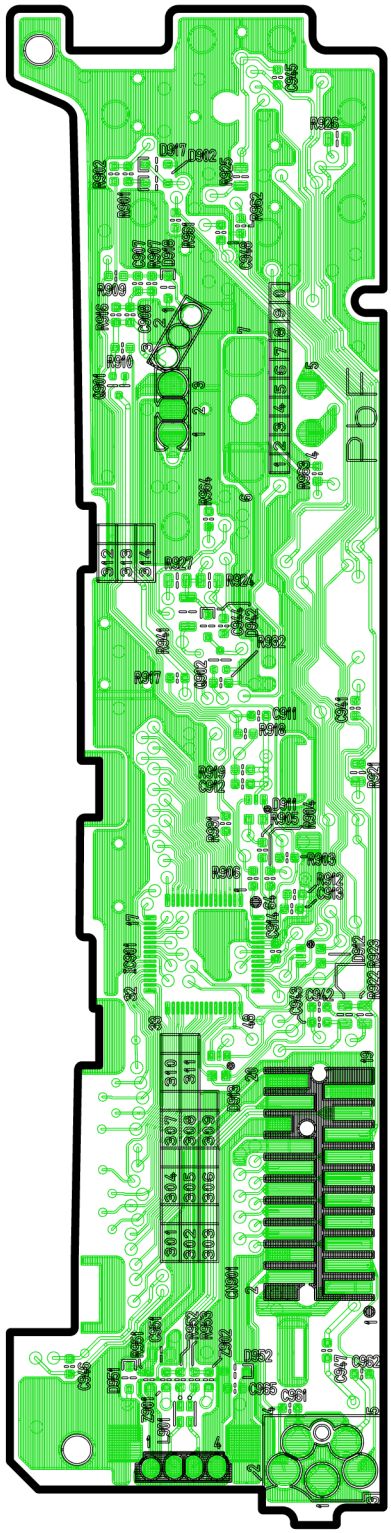
[7231-02-11] [Bottom View]

CQ-RX200U/RX100U/RX100L MAIN P.C.B

9.3. Display Block



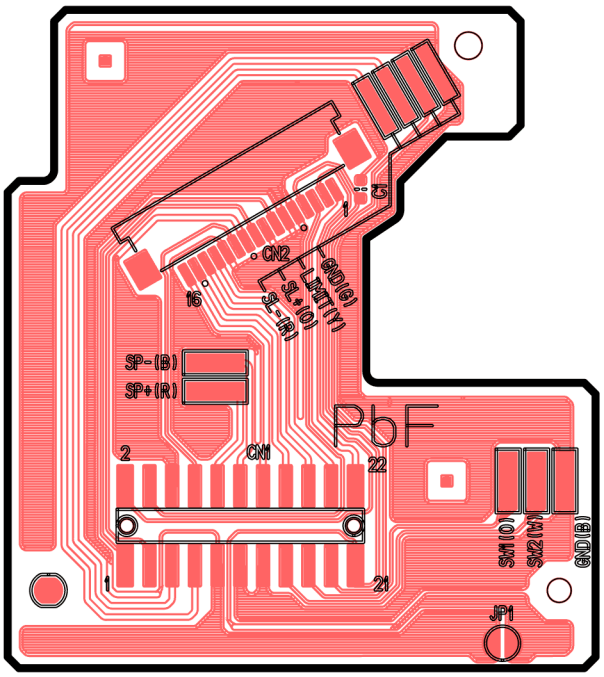
[7231-05-11] [Top View]



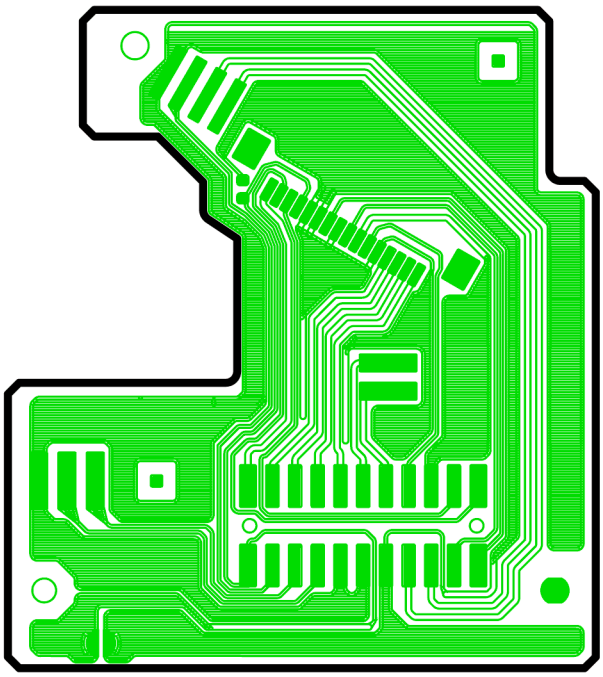
[7231-05-11] [Bottom View]

CQ-RX200U/RX100U/RX100L DISPLAY P.C.B

9.4. CD Interface Block



[3032-14-53] [Top View]

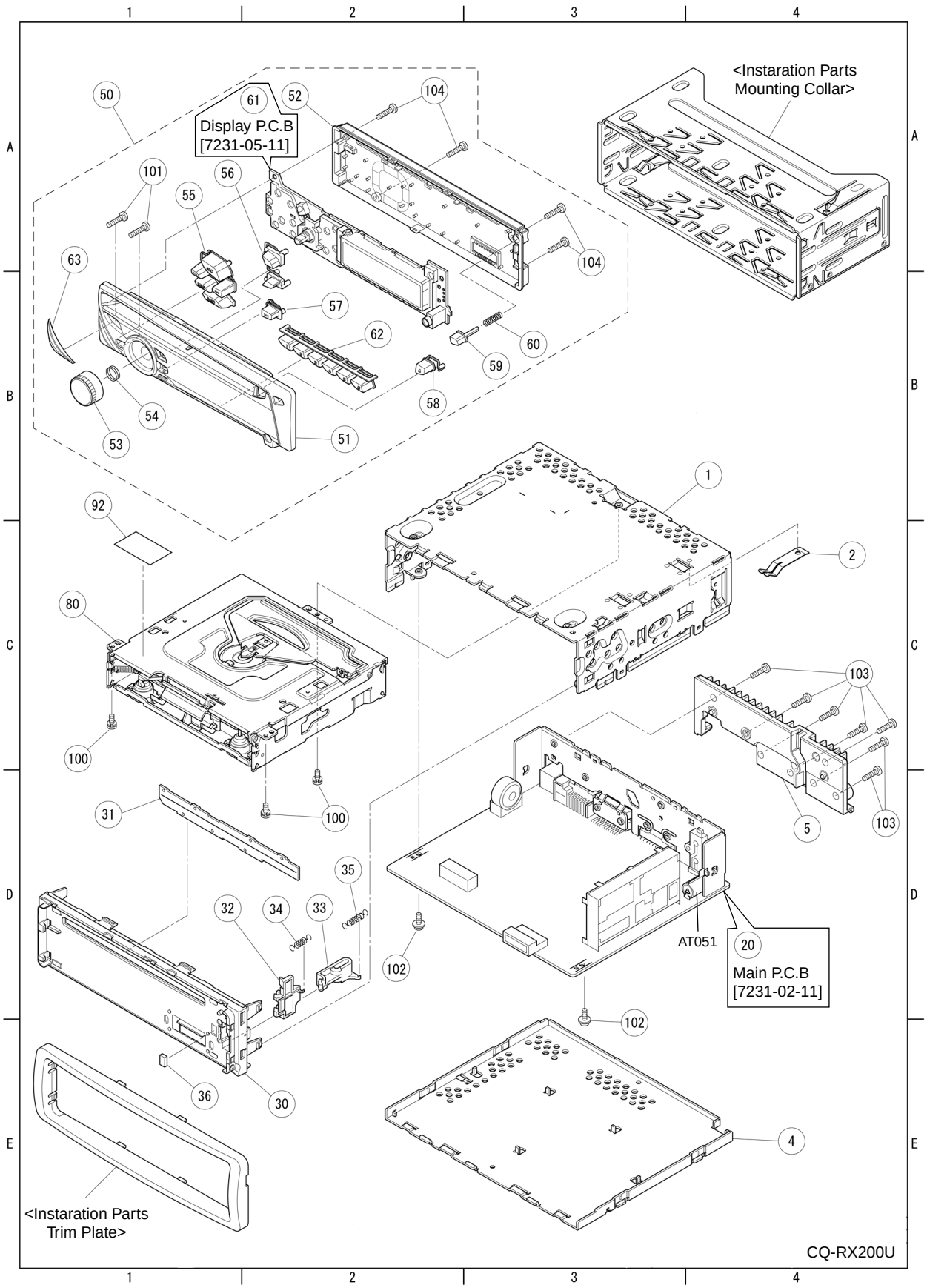


[3032-14-53] [Bottom View]

CQ-RX200U/RX100U/RX100L CONNECTOR P.C.B

10 Exploded View and Replacement Parts List

10.1. Exploded View [CQ-RX200U]



10.2. Replacement Parts List [CQ-RX200U]

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
   • Order intake period is basically six months after the first shipment.
5. Reference materials of parts with the “TSN“ mark in the remarks column are uploaded in the TSN (Technical Service Navigation) system website. Please download from that website for references.

Ref. No.	Part No.	Part Name & Description	Remarks
[7231-02-11] Main Block			
IC's and TRANSISTORs			
IC201	YESAM440	IC	
IC271	C1EA00000041	IC	
IC601	YESAM434	IC	
IC602	YESAM436	IC	
IC671	YESAM391	IC	
IC701	YESAM441	IC	
IC751	YESAM424	IC	
IC791	YESAM344	IC	
IC801	YESAM428	IC	
IC851	YESAM437	IC	
IC852	YESAM439	IC	
PA051	YESAP387	Tuner Pack	
Q052	YESAN154	Transistor	
Q055	YESAN154	Transistor	
Q251	YESAN153	Transistor	
Q261	YESAN153	Transistor	
Q266	YESAN155	Transistor	
Q366	YESAN155	Transistor	
Q401	B1CBGF000005	FET	
Q601	YESAN152	Transistor	
Q602	YESAN152	Transistor	
Q751	YESAN157	Transistor	
Q752	YESAN079	Transistor	
Q770	YESAN149	Transistor	
Q871	YESAN156	Transistor	
DIODEs			
D003	YESAD155	Diode	
D050	YESAD155	Diode	
D053	YESAD188	Zener Diode	
D201	YESAD167	Diode	
D251	YESAD191	Zener Diode	
D270	YESAD192	Diode	
D271	YESAD192	Diode	
D272	YESAD192	Diode	
D273	YESAD192	Diode	
D274	YESAD192	Diode	
D275	YESAD192	Diode	
D276	YESAD192	Diode	
D277	YESAD192	Diode	
D351	YESAD191	Zener Diode	
D401	YESAD144	Diode	
D601	YESAD143	Diode	
D672	YESAD188	Zener Diode	
D675	YESAD144	Diode	
D682	YESAD133	Zener Diode	
D683	YESAD133	Zener Diode	
D701	YESAD193	Diode	
D703	YESAD196	Diode	
D704	YESAD198	Diode	
D751	YESAD197	Diode	
D752	YESAD192	Diode	
D791	YESAD192	Diode	
D971	YESAD150	Zener Diode	
D974	YESAD189	Zener Diode	
D981	YESAD149	Diode	
D991	YESAD155	Diode	
CAPACITORs			
C051	YESCC667	Ceramic, 47pF 50WV	
C053	YESCC651	Ceramic, 0.01µF 50WV	
C055	YESCC651	Ceramic, 0.01µF 50WV	
C061	YESCC658	Ceramic, 0.027µF 25WV	
C062	YESCC658	Ceramic, 0.027µF 25WV	
C065	YESCC650	Ceramic, 1000pF 50WV	
C067	YESCC651	Ceramic, 0.01µF 50WV	
C068	YESCC599	Electrolytic, 220µF 10WV	
C201	YESCC675	Electrolytic, 0.33µF 50WV	
C202	YESCC550	Electrolytic, 3.3µF 50WV	
C203	YESCC550	Electrolytic, 3.3µF 50WV	
C204	YESCC550	Electrolytic, 3.3µF 50WV	
C205	YESCC546	Electrolytic, 10µF 16WV	
C206	YESCC652	Ceramic, 0.1µF 16WV	
C207	YESCC652	Ceramic, 0.1µF 16WV	
C208	YESCC653	Ceramic, 1500pF 50WV	
C210	YESCC662	Ceramic, 680pF 50WV	
C240	YESCC659	Ceramic, 330pF 50WV	
C241	YESCC659	Ceramic, 330pF 50WV	
C242	YESCC659	Ceramic, 330pF 50WV	
C243	YESCC659	Ceramic, 330pF 50WV	
C244	YESCC659	Ceramic, 330pF 50WV	
C245	YESCC659	Ceramic, 330pF 50WV	
C246	YESCC659	Ceramic, 330pF 50WV	
C247	YESCC659	Ceramic, 330pF 50WV	
C252	YESCC660	Ceramic, 4700pF 50WV	
C255	YESCC549	Electrolytic, 2.2µF 50WV	
C262	YESCC372	Electrolytic, 4.7µF 25WV	
C263	YESCC679	Plastic, 0.22µF 50WV	
C267	YESCC679	Plastic, 0.22µF 50WV	
C271	YESCC651	Ceramic, 0.01µF 50WV	
C272	YESCC651	Ceramic, 0.01µF 50WV	
C273	YESCC651	Ceramic, 0.01µF 50WV	
C274	YESCC651	Ceramic, 0.01µF 50WV	
C276	YESCC677	Electrolytic, 22µF 16WV	
C277	YESCC670	Ceramic, 1µF 6.3WV	
C278	YESCC673	Ceramic, 0.22µF 50WV	
C279	YESCC368	Electrolytic, 2200µF 16WV	
C288	YESCC673	Ceramic, 0.22µF 50WV	
C292	YESCC651	Ceramic, 0.01µF 50WV	
C301	YESCC675	Electrolytic, 0.33µF 50WV	
C302	YESCC550	Electrolytic, 3.3µF 50WV	
C303	YESCC550	Electrolytic, 3.3µF 50WV	
C304	YESCC550	Electrolytic, 3.3µF 50WV	
C305	YESCC550	Electrolytic, 3.3µF 50WV	
C306	YESCC652	Ceramic, 0.1µF 16WV	
C307	YESCC599	Electrolytic, 220µF 10WV	
C308	YESCC653	Ceramic, 1500pF 50WV	
C310	YESCC662	Ceramic, 680pF 50WV	
C362	YESCC372	Electrolytic, 4.7µF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C363	YESCC679	Plastic, 0.22µF 50WV	
C367	YESCC679	Plastic, 0.22µF 50WV	
C371	YESCC651	Ceramic, 0.01µF 50WV	
C372	YESCC651	Ceramic, 0.01µF 50WV	
C373	YESCC651	Ceramic, 0.01µF 50WV	
C374	YESCC651	Ceramic, 0.01µF 50WV	
C375	YESCC597	Electrolytic, 10µF 16WV	
C378	YESCC673	Ceramic, 0.22µF 50WV	
C388	YESCC673	Ceramic, 0.22µF 50WV	
C390	YESCC563	Ceramic, 2.2µF 10WV	
C391	YESCC563	Ceramic, 2.2µF 10WV	
C401	YESCC599	Electrolytic, 220µF 10WV	
C402	YESCC680	Plastic, 0.068µF 50WV	
C403	YESCC651	Ceramic, 0.01µF 50WV	
C404	YESCC663	Ceramic, 6800pF 50WV	
C522	YESCC650	Ceramic, 1000pF 50WV	
C601	YESCC665	Ceramic, 22pF 50WV	
C602	YESCC665	Ceramic, 22pF 50WV	
C604	YESCC664	Ceramic, 10pF 50WV	
C605	YESCC710	Ceramic, 27pF 50WV	
C606	YESCC652	Ceramic, 0.1µF 16WV	
C607	YESCC603	Electrolytic, 1000µF 6.3WV	
C608	YESCC652	Ceramic, 0.1µF 16WV	
C609	YESCC652	Ceramic, 0.1µF 16WV	
C610	YESCC614	Ceramic, 10µF 16WV	
C611	YESCC651	Ceramic, 0.01µF 50WV	
C612	YESCC651	Ceramic, 0.01µF 50WV	
C613	YESCC652	Ceramic, 0.1µF 16WV	
C614	YESCC670	Ceramic, 1µF 6.3WV	
C615	YESCC651	Ceramic, 0.01µF 50WV	
C616	YESCC649	Ceramic, 100pF 50WV	
C617	YESCC652	Ceramic, 0.1µF 16WV	
C618	YESCC671	Ceramic, 1000pF 50WV	
C620	YESCC670	Ceramic, 1µF 6.3WV	
C671	YESCC651	Ceramic, 0.01µF 50WV	
C698	YESCC652	Ceramic, 0.1µF 16WV	
C699	YESCC652	Ceramic, 0.1µF 16WV	
C702	YESCC654	Ceramic, 0.18µF 16WV	
C703	YESCC651	Ceramic, 0.01µF 50WV	
C705	YESCC652	Ceramic, 0.1µF 16WV	
C706	YESCC672	Ceramic, 1µF 25WV	
C752	YESCC652	Ceramic, 0.1µF 16WV	
C753	YESCC676	Electrolytic, 22µF 6.3WV	
C754	YESCC597	Electrolytic, 10µF 16WV	
C755	YESCC369	Electrolytic, 470µF 16WV	
C757	YESCC365	Electrolytic, 120µF 10WV	
C759	YESCC676	Electrolytic, 22µF 6.3WV	
C760	YESCC545	Electrolytic, 22µF 10WV	
C762	YESCC421	Electrolytic, 33µF 16WV	
C770	YESCC547	Electrolytic, 100µF 16WV	
C791	YESCC548	Electrolytic, 47µF 16WV	
C792	YESCC675	Electrolytic, 0.33µF 50WV	
C801	YESCC660	Ceramic, 4700pF 50WV	
C802	YESCC651	Ceramic, 0.01µF 50WV	
C803	YESCC652	Ceramic, 0.1µF 16WV	
C804	YESCC652	Ceramic, 0.1µF 16WV	
C805	YESCC652	Ceramic, 0.1µF 16WV	
C806	YESCC651	Ceramic, 0.01µF 50WV	
C807	YESCC650	Ceramic, 1000pF 50WV	
C808	YESCC652	Ceramic, 0.1µF 16WV	
C809	YESCC651	Ceramic, 0.01µF 50WV	
C810	YESCC650	Ceramic, 1000pF 50WV	
C811	YESCC652	Ceramic, 0.1µF 16WV	
C812	YESCC544	Electrolytic, 100µF 6.3WV	
C814	YESCC649	Ceramic, 100pF 50WV	
C817	YESCC656	Ceramic, 0.22µF 10WV	
C818	YESCC655	Ceramic, 0.022µF 25WV	
C819	YESCC652	Ceramic, 0.1µF 16WV	
C820	YESCC652	Ceramic, 0.1µF 16WV	
C821	YESCC652	Ceramic, 0.1µF 16WV	
C822	YESCC544	Electrolytic, 100µF 6.3WV	
C823	YESCC652	Ceramic, 0.1µF 16WV	
C824	YESCC608	Electrolytic, 100µF 6.3WV	
C825	YESCC652	Ceramic, 0.1µF 16WV	
C826	YESCC608	Electrolytic, 100µF 6.3WV	
C827	YESCC652	Ceramic, 0.1µF 16WV	
C828	YESCC669	Ceramic, 68pF 50WV	
C829	YESCC669	Ceramic, 68pF 50WV	
C830	YESCC652	Ceramic, 0.1µF 16WV	
C831	YESCC652	Ceramic, 0.1µF 16WV	
C834	YESCC652	Ceramic, 0.1µF 16WV	
C835	YESCC544	Electrolytic, 100µF 6.3WV	
C836	YESCC652	Ceramic, 0.1µF 16WV	
C837	YESCC652	Ceramic, 0.1µF 16WV	
C838	YESCC652	Ceramic, 0.1µF 16WV	
C839	YESCC611	Electrolytic, 330µF 6.3WV	
C840	YESCC548	Electrolytic, 47µF 16WV	
C841	YESCC650	Ceramic, 1000pF 50WV	
C842	YESCC652	Ceramic, 0.1µF 16WV	
C843	YESCC661	Ceramic, 0.047µF 25WV	
C853	YESCC652	Ceramic, 0.1µF 16WV	
C854	YESCC652	Ceramic, 0.1µF 16WV	
C856	YESCC652	Ceramic, 0.1µF 16WV	
C858	YESCC652	Ceramic, 0.1µF 16WV	
C859	YESCC547	Electrolytic, 100µF 16WV	
C871	YESCC652	Ceramic, 0.1µF 16WV	
C872	YESCC652	Ceramic, 0.1µF 16WV	
C873	YESCC651	Ceramic, 0.01µF 50WV	
C874	YESCC558	Electrolytic, 5.6µF 50WV	
C875	YESCC652	Ceramic, 0.1µF 16WV	
C876	YESCC379	Electrolytic, 150µF 6.3WV	
C877	YESCC604	Electrolytic, 47µF 6.3WV	
C878	YESCC652	Ceramic, 0.1µF 16WV	
C879	YESCC652	Ceramic, 0.1µF 16WV	
C880	YESCC544	Electrolytic, 100µF 6.3WV	
C881	YESCC544	Electrolytic, 100µF 6.3WV	
L291	YESRG622	Chip, 0Ω 1/8W	
RESISTORs			
R010	YESRG563	Chip, 0Ω	
R011	YESRG564	Chip, 0Ω	
R013	YESRG564	Chip, 0Ω	
R050	YESRG613	Chip, 5.6Ω 1/10W	
R052	YESRG567	Chip, 100Ω 1/10W	
R053	YESRG593	Chip, 330Ω 1/10W	
R058	YESRG565	Chip, 0Ω 1/10W	
R060	YESRG595	Chip, 33kΩ 1/10W	
R065	YESRG598	Chip, 39kΩ 1/10W	
R070	YESRG581	Chip, 220Ω 1/10W	
R201	YESRG583	Chip, 22kΩ 1/10W	
R202	YESRG582	Chip, 2.2kΩ 1/10W	
R203	YESRG605	Chip, 47kΩ 1/10W	
R204	YESRG611	Chip, 5.6kΩ 1/10W	
R205	YESRG621	Chip, 9.1kΩ 1/10W	
R206	YESRG611	Chip, 5.6kΩ 1/10W	
R207	YESRG619	Chip, 8.2kΩ 1/10W	
R208	YESRG584	Chip, 220kΩ 1/10W	
R211	YESRG568	Chip, 1kΩ 1/10W	
R251	YESRG565	Chip, 0Ω 1/10W	
R252	YESRG580	Chip, 22Ω 1/10W	
R255	YESRG588	Chip, 270Ω 1/10W	
R256	YESRG611	Chip, 5.6kΩ 1/10W	
R262	YESRG576	Chip, 180Ω 1/10W	
R263	YESRG610	Chip, 560Ω 1/10W	
R266	YESRG569	Chip, 10kΩ 1/10W	
R267	YESRG610	Chip, 560Ω 1/10W	
R275	YESRG583	Chip, 22kΩ 1/10W	
R280	YESRG573	Chip, 130Ω 1/10W	
R291	YESRG622	Chip, 0Ω 1/8W	
R301	YESRG583	Chip, 22kΩ 1/10W	
R302	YESRG582	Chip, 2.2kΩ 1/10W	
R303	YESRG605	Chip, 47kΩ 1/10W	
R304	YESRG611	Chip, 5.6kΩ 1/10W	
R305	YESRG621	Chip, 9.1kΩ 1/10W	
R306	YESRG611	Chip, 5.6kΩ 1/10W	
R307	YESRG619	Chip, 8.2kΩ 1/10W	
R308	YESRG584	Chip, 220kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R309	YESRG582	Chip, 2.2kΩ 1/10W	
R311	YESRG568	Chip, 1kΩ 1/10W	
R351	YESRG565	Chip, 0Ω 1/10W	
R362	YESRG576	Chip, 180Ω 1/10W	
R363	YESRG610	Chip, 560Ω 1/10W	
R366	YESRG569	Chip, 10kΩ 1/10W	
R367	YESRG610	Chip, 560Ω 1/10W	
R375	YESRG572	Chip, 12kΩ 1/10W	
R391	YESRG622	Chip, 0Ω 1/8W	
R401	YESRG623	Chip, 10Ω 1/8W	
R402	YESRG629	Chip, 330Ω 1/8W	
R403	YESRG608	Chip, 5.1kΩ 1/10W	
R521	YESRG622	Chip, 0Ω 1/8W	
R601	YESRG567	Chip, 100Ω 1/10W	
R602	YESRG567	Chip, 100Ω 1/10W	
R603	YESRG567	Chip, 100Ω 1/10W	
R604	YESRG567	Chip, 100Ω 1/10W	
R605	YESRG570	Chip, 100kΩ 1/10W	
R606	YESRG570	Chip, 100kΩ 1/10W	
R607	YESRG570	Chip, 100kΩ 1/10W	
R608	YESRG570	Chip, 100kΩ 1/10W	
R609	YESRG612	Chip, 560kΩ 1/10W	
R611	YESRG605	Chip, 47kΩ 1/10W	
R612	YESRG605	Chip, 47kΩ 1/10W	
R616	YESRG568	Chip, 1kΩ 1/10W	
R617	YESRG568	Chip, 1kΩ 1/10W	
R618	YESRG568	Chip, 1kΩ 1/10W	
R619	YESRG582	Chip, 2.2kΩ 1/10W	
R620	YESRG567	Chip, 100Ω 1/10W	
R621	YESRG582	Chip, 2.2kΩ 1/10W	
R622	YESRG582	Chip, 2.2kΩ 1/10W	
R623	YESRG566	Chip, 10Ω 1/10W	
R626	YESRG605	Chip, 47kΩ 1/10W	
R627	YESRG605	Chip, 47kΩ 1/10W	
R629	YESRG568	Chip, 1kΩ 1/10W	
R630	YESRG568	Chip, 1kΩ 1/10W	
R631	YESRG605	Chip, 47kΩ 1/10W	
R632	YESRG605	Chip, 47kΩ 1/10W	
R633	YESRG568	Chip, 1kΩ 1/10W	
R634	YESRG605	Chip, 47kΩ 1/10W	
R635	YESRG568	Chip, 1kΩ 1/10W	
R636	YESRG605	Chip, 47kΩ 1/10W	
R637	YESRG568	Chip, 1kΩ 1/10W	
R638	YESRG568	Chip, 1kΩ 1/10W	
R640	YESRG568	Chip, 1kΩ 1/10W	
R641	YESRG568	Chip, 1kΩ 1/10W	
R642	YESRG568	Chip, 1kΩ 1/10W	
R643	YESRG568	Chip, 1kΩ 1/10W	
R644	YESRG568	Chip, 1kΩ 1/10W	
R645	YESRG568	Chip, 1kΩ 1/10W	
R646	YESRG569	Chip, 10kΩ 1/10W	
R647	YESRG569	Chip, 10kΩ 1/10W	
R650	YESRG565	Chip, 0Ω 1/10W	
R651	YESRG568	Chip, 1kΩ 1/10W	
R655	YESRG569	Chip, 10kΩ 1/10W	
R656	YESRG603	Chip, 470Ω 1/10W	
R657	YESRG565	Chip, 0Ω 1/10W	
R658	YESRG565	Chip, 0Ω 1/10W	
R659	YESRG565	Chip, 0Ω 1/10W	
R660	YESRG569	Chip, 10kΩ 1/10W	
R661	YESRG570	Chip, 100kΩ 1/10W	
R662	YESRG570	Chip, 100kΩ 1/10W	
R663	YESRG565	Chip, 0Ω 1/10W	
R664	YESRG565	Chip, 0Ω 1/10W	
R665	YESRG607	Chip, 510Ω 1/10W	
R667	YESRG605	Chip, 47kΩ 1/10W	
R669	YESRG604	Chip, 4.7kΩ 1/10W	
R670	YESRG599	Chip, 390kΩ 1/10W	
R671	YESRG605	Chip, 47kΩ 1/10W	
R672	YESRG605	Chip, 47kΩ 1/10W	
R673	YESRG605	Chip, 47kΩ 1/10W	
R674	YESRG568	Chip, 1kΩ 1/10W	
R675	YESRG565	Chip, 0Ω 1/10W	
R676	YESRG610	Chip, 560Ω 1/10W	

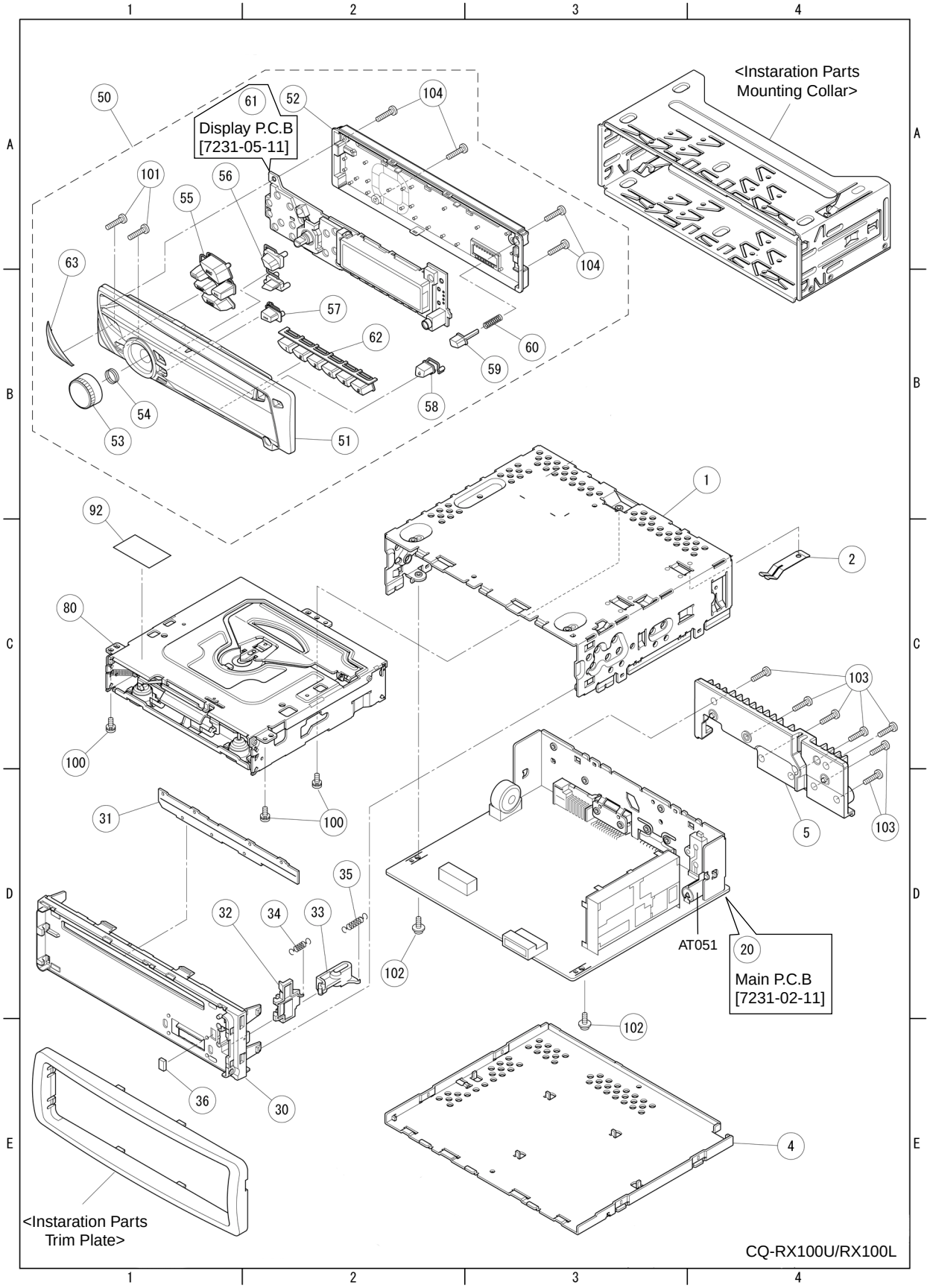
Ref. No.	Part No.	Part Name & Description	Remarks
R677	YESRG605	Chip, 47kΩ 1/10W	
R678	YESRG568	Chip, 1kΩ 1/10W	
R679	YESRG568	Chip, 1kΩ 1/10W	
R680	YESRG568	Chip, 1kΩ 1/10W	
R681	YESRG568	Chip, 1kΩ 1/10W	
R683	YESRG568	Chip, 1kΩ 1/10W	
R684	YESRG568	Chip, 1kΩ 1/10W	
R685	YESRG565	Chip, 0Ω 1/10W	
R686	YESRG605	Chip, 47kΩ 1/10W	
R687	YESRG605	Chip, 47kΩ 1/10W	
R688	YESRG568	Chip, 1kΩ 1/10W	
R698	YESRG570	Chip, 100kΩ 1/10W	
R699	YESRG570	Chip, 100kΩ 1/10W	
R701	YESRG639	Chip, 3.3kΩ 1/4W	
R702	YESRG633	Chip, 75kΩ 1/8W	
R703	YESRG627	Chip, 220kΩ 1/8W	
R704	YESRG602	Chip, 47kΩ 1/10W	
R705	YESRG617	Chip, 680kΩ 1/10W	
R706	YESRG568	Chip, 1kΩ 1/10W	
R707	YESRG605	Chip, 47kΩ 1/10W	
R708	YESRG568	Chip, 1kΩ 1/10W	
R710	YESRG568	Chip, 1kΩ 1/10W	
R725	YESRG628	Chip, 22kΩ 1/8W	
R728	YESRG565	Chip, 0Ω 1/10W	
R751	YESRG609	Chip, 51kΩ 1/10W	
R752	YESRG584	Chip, 220kΩ 1/10W	
R754	YESRG603	Chip, 470Ω 1/10W	
R756	YESRG570	Chip, 100kΩ 1/10W	
R774	YESRG624	Chip, 1kΩ 1/8W	
R778	YESRG565	Chip, 0Ω 1/10W	
R791	YESRG605	Chip, 47kΩ 1/10W	
R792	YESRG587	Chip, 24kΩ 1/10W	
R793	YESRG586	Chip, 2.4kΩ 1/10W	
R794	YESRG568	Chip, 1kΩ 1/10W	
R799	YESRG636	Chip, 0Ω 1/4W	
R801	YESRG593	Chip, 330Ω 1/10W	
R802	YESRG569	Chip, 10kΩ 1/10W	
R803	YESRG565	Chip, 0Ω 1/10W	
R804	YESRG565	Chip, 0Ω 1/10W	
R805	YESRG565	Chip, 0Ω 1/10W	
R806	YESRG565	Chip, 0Ω 1/10W	
R807	YESRG616	Chip, 68kΩ 1/10W	
R808	YESRG604	Chip, 4.7kΩ 1/10W	
R809	YESRG604	Chip, 4.7kΩ 1/10W	
R811	YESRG583	Chip, 22kΩ 1/10W	
R812	YESRG614	Chip, 680Ω 1/10W	
R813	YESRG596	Chip, 3.3MΩ 1/10W	
R814	YESRG614	Chip, 680Ω 1/10W	
R815	YESRG616	Chip, 68kΩ 1/10W	
R816	YESRG597	Chip, 3.9kΩ 1/10W	
R817	YESRG597	Chip, 3.9kΩ 1/10W	
R818	YESRG597	Chip, 3.9kΩ 1/10W	
R819	YESRG589	Chip, 2.7kΩ 1/10W	
R820	YESRG567	Chip, 100Ω 1/10W	
R821	YESRG590	Chip, 27kΩ 1/10W	
R822	YESRG568	Chip, 1kΩ 1/10W	
R823	YESRG568	Chip, 1kΩ 1/10W	
R824	YESRG568	Chip, 1kΩ 1/10W	
R825	YESRG568	Chip, 1kΩ 1/10W	
R827	YESRG605	Chip, 47kΩ 1/10W	
R836	YESRG565	Chip, 0Ω 1/10W	
R837	YESRG601	Chip, 47Ω 1/10W	
R838	YESRG606	Chip, 4.7Ω 1/10W	
R840	YESRG605	Chip, 47kΩ 1/10W	
R843	YESRG605	Chip, 47kΩ 1/10W	
R844	YESRG605	Chip, 47kΩ 1/10W	
R845	YESRG605	Chip, 47kΩ 1/10W	
R846	YESRG570	Chip, 100kΩ 1/10W	
R847	YESRG570	Chip, 100kΩ 1/10W	
R851	YESRG604	Chip, 4.7kΩ 1/10W	
R852	YESRG594	Chip, 3.3kΩ 1/10W	
R853	YESRG594	Chip, 3.3kΩ 1/10W	
R854	YESRG579	Chip, 2kΩ 1/10W	
R855	YESRG615	Chip, 6.8kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R871	YESRG603	Chip, 470Ω 1/10W	
R872	YESRG568	Chip, 1kΩ 1/10W	
R873	YESRG568	Chip, 1kΩ 1/10W	
R874	YESRG640	Chip, 3.3Ω 1/4W	
R875	YESRG638	Chip, 33Ω 1/4W	
R895	YESRG622	Chip, 0Ω 1/8W	
R971	YESRG568	Chip, 1kΩ 1/10W	
R972	YESRG582	Chip, 2.2kΩ 1/10W	
R973	YESRG568	Chip, 1kΩ 1/10W	
R974	YESRG581	Chip, 220Ω 1/10W	
R975	YESRG568	Chip, 1kΩ 1/10W	
R976	YESRG581	Chip, 220Ω 1/10W	
R977	YESRG568	Chip, 1kΩ 1/10W	
R978	YESRG568	Chip, 1kΩ 1/10W	
R979	YESRG578	Chip, 180kΩ 1/10W	
R981	YESRG578	Chip, 180kΩ 1/10W	
CONNECTORs			
CN250	YESAE441	RCA Jack, 2P	
CN671	YESAE411	Connector, 13P	
CN701	YESAE351	Connector 16P	
CN801	YESAE443	Connector, 22P	
CN971	YESAE455	Connector 15P	
COILs			
L050	YESLQ064	Inductor	
L051	YESLQ035	Inductor	
L201	YESLQ044	Inductor	
L601	YESLQ044	Inductor	
L701	YESLT032	Inductor	
L710	YESLQ063	Inductor	
L802	YESLQ048	Inductor	
CRYSTALs			
XL601	YESXL047	Crystal	
XL602	YESXL044	Crystal	
XL801	YESXL045	Crystal	
SERGE PROTECTOR / VARISTOR			
Z701	YESRTD016	Varistor	
[7231-05-11] Display Block			
IC's and TRANSISTORs			
IC901	YESAM427	IC	
IC902	YESAM264	IC	
Q901	YESAN151	Transistor	
Q902	YESAN150	Transistor	
DIODEs			
D901	YESAD166	LED	
D911	YESAD150	Zener Diode	
D912	YESAD190	Zener Diode	
D913	YESAD190	Zener Diode	
D915	YESAD189	Zener Diode	
D916	YESAD155	Diode	
D918	YESAD189	Zener Diode	
D921	YESAD166	LED	
D922	YESAD166	LED	
D923	YESAD166	LED	
D924	YESAD166	LED	
D925	YESAD166	LED	
D926	YESAD166	LED	
D927	YESAD166	LED	
D928	YESAD166	LED	
D929	YESAD166	LED	
D930	YESAD166	LED	
D931	YESAD166	LED	

Ref. No.	Part No.	Part Name & Description	Remarks
D932	YESAD166	LED	
D933	YESAD166	LED	
D934	YESAD166	LED	
D941	YESAD180	LED	
D942	YESAD186	Zener Diode	
CAPACITORs			
C907	YESCC650	Ceramic, 1000pF 50WV	
C908	YESCC652	Ceramic, 0.1µF 16WV	
C911	YESCC670	Ceramic, 1µF 6.3WV	
C912	YESCC670	Ceramic, 1µF 6.3WV	
C913	YESCC662	Ceramic, 680pF 50WV	
C914	YESCC670	Ceramic, 1µF 6.3WV	
C941	YESCC652	Ceramic, 0.1µF 16WV	
C942	YESCC652	Ceramic, 0.1µF 16WV	
C943	YESCC652	Ceramic, 0.1µF 16WV	
C944	YESCC652	Ceramic, 0.1µF 16WV	
C945	YESCC652	Ceramic, 0.1µF 16WV	
C946	YESCC652	Ceramic, 0.1µF 16WV	
C947	YESCC652	Ceramic, 0.1µF 16WV	
C948	YESCC652	Ceramic, 0.1µF 16WV	
RESISTORs			
R902	YESRG576	Chip, 180Ω 1/10W	
R903	YESRG603	Chip, 470Ω 1/10W	
R904	YESRG568	Chip, 1kΩ 1/10W	
R905	YESRG568	Chip, 1kΩ 1/10W	
R906	YESRG568	Chip, 1kΩ 1/10W	
R909	YESRG568	Chip, 1kΩ 1/10W	
R910	YESRG582	Chip, 2.2kΩ 1/10W	
R912	YESRG600	Chip, 43kΩ 1/10W	
R915	YESRG568	Chip, 1kΩ 1/10W	
R917	YESRG569	Chip, 10kΩ 1/10W	
R918	YESRG569	Chip, 10kΩ 1/10W	
R919	YESRG569	Chip, 10kΩ 1/10W	
R921	YESRG630	Chip, 470Ω 1/8W	
R922	YESRG630	Chip, 470Ω 1/8W	
R923	YESRG630	Chip, 470Ω 1/8W	
R924	YESRG630	Chip, 470Ω 1/8W	
R925	YESRG630	Chip, 470Ω 1/8W	
R926	YESRG630	Chip, 470Ω 1/8W	
R927	YESRG634	Chip, 820Ω 1/8W	
R931	YESRG582	Chip, 2.2kΩ 1/10W	
R932	YESRG605	Chip, 47kΩ 1/10W	
R941	YESRG637	Chip, 300Ω 1/4W	
R961	YESRG605	Chip, 47kΩ 1/10W	
R962	YESRG605	Chip, 47kΩ 1/10W	
R963	YESRG605	Chip, 47kΩ 1/10W	
R964	YESRG605	Chip, 47kΩ 1/10W	
R966	YESRG622	Chip, 0Ω 1/8W	
CONNECTORs			
CN901	YESAE456	Connector 15P	
CN902	YESAE453	Jack (AUX1)	
SWITCH			
SW901	YESAS133	Rotary Encoder	
LCD			
LD901	YESXDCM043	LCD	
Accessories			
PRINTINGS			
	-	Operating Instructions (English)	TSN
	-	Operating Instructions (French)	TSN
	-	Operating Instructions (Spanish)	TSN
	-	System Upgrade Guidebook	TSN

Ref. No.	Part No.	Part Name & Description	Remarks
	-	Installation Instructions	TSN
INSTALLATION PARTS			
	YEP0FZ5698	Installation kit (Lock Cancel Plate, Mounting Bolt, Rubber Bushing)	
	YEFX0217263A	Mounting Collar	
	YGFC051023	Trim Plate	
	K1HY12YY0003	Power Connector	
	YESFZ297	Remote Control Unit	
	CR2025/1F	Lithiume Battery	⚠
MECHANICAL PARTS			
MISCELLANEOUS			
AT051	YESAE459	Antenna Receptacle	
1	YESFA01084	Main Chassis	
2	YESFX005155	Ground Contactor	
4	YESFA05037	Bottom Cover	
5	YESFF01088	Heat Sink	
20	YESAP632	Main PCB w/Components	RTL
21	YESFA08061	Rear Plate	
30	YESFC02286	Escutcheon	
31	YESFS01092	Dust Felt	
32	YESFX999109	Lock Hook	
33	YESFX999110	Release Hook	
34	YESFX005194	Lock Spring	
35	YESFX005195	Release Spring	
36	YESFS01097	Panel Cushion	
50	YESSDF0211	Removable Face Plate Unit	RTL
51	YESFC02284	Front Face Ass'y	
52	YESFA13027	Rear Cover	
53	YESFE02033	VOL Knob	
54	YESFX005138	Knob Spring	
55	YESFE13322	Button 5p	
56	YESFE13324	Button (FOLDER)	
57	YESFE13327	Button (TUNE UP)	
58	YESFE13323	Button (EJECT)	
59	YESFE13326	Button (RELEASE)	
60	YESFX005152	Release Spring	
61	YESAP635	Display PCB w/Components	RTL
62	YESFE13325	Button (PRESET)	
63	YESFX001047	Panel Light	
92	YESFM01086	Laser Seal	
100	YESJS01189	Screw, 2.6*4.0	
101	YESJT03076	Tapping Screw, 2*6	
102	YESJS01190	Screw, 2.6 * 6.0	
103	YESJS01187	Bind Screw, 2.6 * 10	
104	YESJT03075	Tapping Screw, 2.0*8.0	

10.3. Exploded View [CQ-RX100U/RX100L]



10.4. Replacement Parts List [CQ-RX100U/RX100L]

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
   - Order intake period is basically six months after the first shipment.
5. Reference materials of parts with the “TSN“ mark in the remarks column are uploaded in the TSN (Technical Service Navigation) system website. Please download from that website for references.
6. "A" or "B" marks in remarks column are indicated as follows :
   - A : CQ-RX100U
   - B : CQ-RX100L

Ref. No.	Part No.	Part Name & Description	Remarks
[7231-02-11] Main Block			
IC's and TRANSISTORs			
IC201	YESAM440	IC	
IC271	C1EA00000041	IC	
IC601	YESAM430	IC	
IC701	YESAM441	IC	
IC751	YESAM424	IC	
IC801	YESAM428	IC	
IC851	YESAM437	IC	
IC852	YESAM439	IC	
PA051	YESAP387	Tuner Pack	
Q052	YESAN154	Transistor	
Q055	YESAN154	Transistor	
Q251	YESAN153	Transistor	
Q261	YESAN153	Transistor	
Q266	YESAN155	Transistor	
Q366	YESAN155	Transistor	
Q401	B1CBGF000005	FET	
Q601	YESAN152	Transistor	
Q602	YESAN152	Transistor	
Q751	YESAN157	Transistor	
Q752	YESAN079	Transistor	
Q770	YESAN149	Transistor	
Q871	YESAN156	Transistor	
DIODEs			
D003	YESAD155	Diode	
D050	YESAD155	Diode	
D053	YESAD188	Zener Diode	
D201	YESAD167	Diode	
D251	YESAD191	Zener Diode	
D270	YESAD192	Diode	
D271	YESAD192	Diode	
D272	YESAD192	Diode	
D273	YESAD192	Diode	
D274	YESAD192	Diode	
D275	YESAD192	Diode	
D276	YESAD192	Diode	
D277	YESAD192	Diode	
D351	YESAD191	Zener Diode	
D401	YESAD144	Diode	
D601	YESAD143	Diode	
D682	YESAD133	Zener Diode	
D683	YESAD133	Zener Diode	
D701	YESAD193	Diode	
D703	YESAD196	Diode	
D704	YESAD198	Diode	
D751	YESAD197	Diode	
D752	YESAD192	Diode	
D971	YESAD150	Zener Diode	
D974	YESAD189	Zener Diode	
D981	YESAD149	Diode	
D991	YESAD155	Diode	
CAPACITORs			
C051	YESCC667	Ceramic, 47pF 50WV	
C053	YESCC651	Ceramic, 0.01µF 50WV	
C055	YESCC651	Ceramic, 0.01µF 50WV	
C061	YESCC658	Ceramic, 0.027µF 25WV	
C062	YESCC658	Ceramic, 0.027µF 25WV	
C065	YESCC650	Ceramic, 1000pF 50WV	
C067	YESCC651	Ceramic, 0.01µF 50WV	
C068	YESCC599	Electrolytic, 220µF 10WV	
C201	YESCC675	Electrolytic, 0.33µF 50WV	
C202	YESCC550	Electrolytic, 3.3µF 50WV	
C204	YESCC550	Electrolytic, 3.3µF 50WV	
C205	YESCC546	Electrolytic, 10µF 16WV	
C207	YESCC652	Ceramic, 0.1µF 16WV	
C208	YESCC653	Ceramic, 1500pF 50WV	
C240	YESCC659	Ceramic, 330pF 50WV	
C241	YESCC659	Ceramic, 330pF 50WV	
C242	YESCC659	Ceramic, 330pF 50WV	
C243	YESCC659	Ceramic, 330pF 50WV	
C244	YESCC659	Ceramic, 330pF 50WV	
C245	YESCC659	Ceramic, 330pF 50WV	
C246	YESCC659	Ceramic, 330pF 50WV	
C247	YESCC659	Ceramic, 330pF 50WV	
C252	YESCC660	Ceramic, 4700pF 50WV	
C255	YESCC549	Electrolytic, 2.2µF 50WV	
C262	YESCC372	Electrolytic, 4.7µF 25WV	
C263	YESCC679	Plastic, 0.22µF 50WV	
C267	YESCC679	Plastic, 0.22µF 50WV	
C271	YESCC651	Ceramic, 0.01µF 50WV	
C272	YESCC651	Ceramic, 0.01µF 50WV	
C273	YESCC651	Ceramic, 0.01µF 50WV	
C274	YESCC651	Ceramic, 0.01µF 50WV	
C276	YESCC677	Electrolytic, 22µF 16WV	
C277	YESCC670	Ceramic, 1µF 6.3WV	
C278	YESCC673	Ceramic, 0.22µF 50WV	
C279	YESCC368	Electrolytic, 2200µF 16WV	
C288	YESCC673	Ceramic, 0.22µF 50WV	
C292	YESCC651	Ceramic, 0.01µF 50WV	
C301	YESCC675	Electrolytic, 0.33µF 50WV	
C302	YESCC550	Electrolytic, 3.3µF 50WV	
C304	YESCC550	Electrolytic, 3.3µF 50WV	
C305	YESCC550	Electrolytic, 3.3µF 50WV	
C307	YESCC599	Electrolytic, 220µF 10WV	
C308	YESCC653	Ceramic, 1500pF 50WV	
C362	YESCC372	Electrolytic, 4.7µF 25WV	
C363	YESCC679	Plastic, 0.22µF 50WV	
C367	YESCC679	Plastic, 0.22µF 50WV	
C371	YESCC651	Ceramic, 0.01µF 50WV	
C372	YESCC651	Ceramic, 0.01µF 50WV	
C373	YESCC651	Ceramic, 0.01µF 50WV	
C374	YESCC651	Ceramic, 0.01µF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C375	YESCC597	Electrolytic, 10µF 16WV	
C378	YESCC673	Ceramic, 0.22µF 50WV	
C388	YESCC673	Ceramic, 0.22µF 50WV	
C390	YESCC563	Ceramic, 2.2µF 10WV	
C391	YESCC563	Ceramic, 2.2µF 10WV	
C401	YESCC599	Electrolytic, 220µF 10WV	
C402	YESCC680	Plastic, 0.068µF 50WV	
C403	YESCC651	Ceramic, 0.01µF 50WV	
C404	YESCC663	Ceramic, 6800pF 50WV	
C522	YESCC650	Ceramic, 1000pF 50WV	
C601	YESCC665	Ceramic, 22pF 50WV	
C602	YESCC665	Ceramic, 22pF 50WV	
C604	YESCC664	Ceramic, 10pF 50WV	
C605	YESCC710	Ceramic, 27pF 50WV	
C606	YESCC652	Ceramic, 0.1µF 16WV	
C607	YESCC603	Electrolytic, 1000µF 6.3WV	
C608	YESCC652	Ceramic, 0.1µF 16WV	
C610	YESCC614	Ceramic, 10µF 16WV	
C611	YESCC651	Ceramic, 0.01µF 50WV	
C612	YESCC651	Ceramic, 0.01µF 50WV	
C613	YESCC652	Ceramic, 0.1µF 16WV	
C614	YESCC670	Ceramic, 1µF 6.3WV	
C615	YESCC651	Ceramic, 0.01µF 50WV	
C616	YESCC649	Ceramic, 100pF 50WV	
C617	YESCC652	Ceramic, 0.1µF 16WV	
C618	YESCC671	Ceramic, 1000pF 50WV	
C620	YESCC670	Ceramic, 1µF 6.3WV	
C698	YESCC652	Ceramic, 0.1µF 16WV	
C699	YESCC652	Ceramic, 0.1µF 16WV	
C702	YESCC654	Ceramic, 0.18µF 16WV	
C703	YESCC651	Ceramic, 0.01µF 50WV	
C705	YESCC652	Ceramic, 0.1µF 16WV	
C706	YESCC672	Ceramic, 1µF 25WV	
C752	YESCC652	Ceramic, 0.1µF 16WV	
C753	YESCC676	Electrolytic, 22µF 6.3WV	
C754	YESCC597	Electrolytic, 10µF 16WV	
C755	YESCC369	Electrolytic, 470µF 16WV	
C757	YESCC365	Electrolytic, 120µF 10WV	
C759	YESCC676	Electrolytic, 22µF 6.3WV	
C760	YESCC545	Electrolytic, 22µF 10WV	
C762	YESCC421	Electrolytic, 33µF 16WV	
C770	YESCC547	Electrolytic, 100µF 16WV	
C801	YESCC660	Ceramic, 4700pF 50WV	
C802	YESCC651	Ceramic, 0.01µF 50WV	
C803	YESCC652	Ceramic, 0.1µF 16WV	
C804	YESCC652	Ceramic, 0.1µF 16WV	
C805	YESCC652	Ceramic, 0.1µF 16WV	
C806	YESCC651	Ceramic, 0.01µF 50WV	
C807	YESCC650	Ceramic, 1000pF 50WV	
C808	YESCC652	Ceramic, 0.1µF 16WV	
C809	YESCC651	Ceramic, 0.01µF 50WV	
C810	YESCC650	Ceramic, 1000pF 50WV	
C811	YESCC652	Ceramic, 0.1µF 16WV	
C812	YESCC544	Electrolytic, 100µF 6.3WV	
C814	YESCC649	Ceramic, 100pF 50WV	
C817	YESCC656	Ceramic, 0.22µF 10WV	
C818	YESCC655	Ceramic, 0.022µF 25WV	
C819	YESCC652	Ceramic, 0.1µF 16WV	
C820	YESCC652	Ceramic, 0.1µF 16WV	
C821	YESCC652	Ceramic, 0.1µF 16WV	
C822	YESCC544	Electrolytic, 100µF 6.3WV	
C823	YESCC652	Ceramic, 0.1µF 16WV	
C824	YESCC608	Electrolytic, 100µF 6.3WV	
C825	YESCC652	Ceramic, 0.1µF 16WV	
C826	YESCC608	Electrolytic, 100µF 6.3WV	
C827	YESCC652	Ceramic, 0.1µF 16WV	
C828	YESCC669	Ceramic, 68pF 50WV	
C829	YESCC669	Ceramic, 68pF 50WV	
C830	YESCC652	Ceramic, 0.1µF 16WV	
C831	YESCC652	Ceramic, 0.1µF 16WV	
C834	YESCC652	Ceramic, 0.1µF 16WV	
C835	YESCC544	Electrolytic, 100µF 6.3WV	
C836	YESCC652	Ceramic, 0.1µF 16WV	
C837	YESCC652	Ceramic, 0.1µF 16WV	
C838	YESCC652	Ceramic, 0.1µF 16WV	
C839	YESCC611	Electrolytic, 330µF 6.3WV	
C840	YESCC548	Electrolytic, 47µF 16WV	
C841	YESCC650	Ceramic, 1000pF 50WV	
C842	YESCC652	Ceramic, 0.1µF 16WV	
C843	YESCC661	Ceramic, 0.047µF 25WV	
C853	YESCC652	Ceramic, 0.1µF 16WV	
C854	YESCC652	Ceramic, 0.1µF 16WV	
C856	YESCC652	Ceramic, 0.1µF 16WV	
C858	YESCC652	Ceramic, 0.1µF 16WV	
C859	YESCC547	Electrolytic, 100µF 16WV	
C871	YESCC652	Ceramic, 0.1µF 16WV	
C872	YESCC652	Ceramic, 0.1µF 16WV	
C873	YESCC651	Ceramic, 0.01µF 50WV	
C874	YESCC558	Electrolytic, 5.6µF 50WV	
C875	YESCC652	Ceramic, 0.1µF 16WV	
C876	YESCC379	Electrolytic, 150µF 6.3WV	
C877	YESCC604	Electrolytic, 47µF 6.3WV	
C878	YESCC652	Ceramic, 0.1µF 16WV	
C879	YESCC652	Ceramic, 0.1µF 16WV	
C880	YESCC544	Electrolytic, 100µF 6.3WV	
C881	YESCC544	Electrolytic, 100µF 6.3WV	
L291	YESRG622	Chip, 0Ω 1/8W	
RESISTORs			
R010	YESRG563	Chip, 0Ω	
R011	YESRG564	Chip, 0Ω	
R013	YESRG564	Chip, 0Ω	
R050	YESRG613	Chip, 5.6Ω 1/10W	
R052	YESRG567	Chip, 100Ω 1/10W	
R053	YESRG593	Chip, 330Ω 1/10W	
R058	YESRG565	Chip, 0Ω 1/10W	
R060	YESRG595	Chip, 33kΩ 1/10W	
R065	YESRG598	Chip, 39kΩ 1/10W	
R070	YESRG581	Chip, 220Ω 1/10W	
R201	YESRG583	Chip, 22kΩ 1/10W	
R202	YESRG582	Chip, 2.2kΩ 1/10W	
R203	YESRG605	Chip, 47kΩ 1/10W	
R206	YESRG611	Chip, 5.6kΩ 1/10W	
R207	YESRG619	Chip, 8.2kΩ 1/10W	
R211	YESRG568	Chip, 1kΩ 1/10W	
R251	YESRG565	Chip, 0Ω 1/10W	
R252	YESRG580	Chip, 22Ω 1/10W	
R255	YESRG588	Chip, 270Ω 1/10W	
R256	YESRG611	Chip, 5.6kΩ 1/10W	
R262	YESRG576	Chip, 180Ω 1/10W	
R263	YESRG610	Chip, 560Ω 1/10W	
R266	YESRG569	Chip, 10kΩ 1/10W	
R267	YESRG610	Chip, 560Ω 1/10W	
R275	YESRG583	Chip, 22kΩ 1/10W	
R280	YESRG573	Chip, 130Ω 1/10W	
R291	YESRG622	Chip, 0Ω 1/8W	
R301	YESRG583	Chip, 22kΩ 1/10W	
R302	YESRG582	Chip, 2.2kΩ 1/10W	
R303	YESRG605	Chip, 47kΩ 1/10W	
R306	YESRG611	Chip, 5.6kΩ 1/10W	
R307	YESRG619	Chip, 8.2kΩ 1/10W	
R311	YESRG568	Chip, 1kΩ 1/10W	
R351	YESRG565	Chip, 0Ω 1/10W	
R362	YESRG576	Chip, 180Ω 1/10W	
R363	YESRG610	Chip, 560Ω 1/10W	
R366	YESRG569	Chip, 10kΩ 1/10W	
R367	YESRG610	Chip, 560Ω 1/10W	
R375	YESRG572	Chip, 12kΩ 1/10W	
R391	YESRG622	Chip, 0Ω 1/8W	
R401	YESRG623	Chip, 10Ω 1/8W	
R402	YESRG629	Chip, 330Ω 1/8W	
R403	YESRG608	Chip, 5.1kΩ 1/10W	
R521	YESRG622	Chip, 0Ω 1/8W	
R601	YESRG567	Chip, 100Ω 1/10W	
R602	YESRG567	Chip, 100Ω 1/10W	
R603	YESRG567	Chip, 100Ω 1/10W	
R604	YESRG567	Chip, 100Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R605	YESRG570	Chip, 100kΩ 1/10W	
R606	YESRG570	Chip, 100kΩ 1/10W	
R607	YESRG570	Chip, 100kΩ 1/10W	
R608	YESRG570	Chip, 100kΩ 1/10W	
R609	YESRG612	Chip, 560kΩ 1/10W	
R610	YESRG605	Chip, 47kΩ 1/10W	
R612	YESRG605	Chip, 47kΩ 1/10W	
R616	YESRG568	Chip, 1kΩ 1/10W	
R619	YESRG582	Chip, 2.2kΩ 1/10W	
R620	YESRG567	Chip, 100Ω 1/10W	
R621	YESRG582	Chip, 2.2kΩ 1/10W	
R622	YESRG582	Chip, 2.2kΩ 1/10W	
R626	YESRG605	Chip, 47kΩ 1/10W	
R627	YESRG605	Chip, 47kΩ 1/10W	
R629	YESRG568	Chip, 1kΩ 1/10W	
R630	YESRG568	Chip, 1kΩ 1/10W	
R631	YESRG605	Chip, 47kΩ 1/10W	
R632	YESRG605	Chip, 47kΩ 1/10W	
R633	YESRG568	Chip, 1kΩ 1/10W	
R634	YESRG605	Chip, 47kΩ 1/10W	
R635	YESRG568	Chip, 1kΩ 1/10W	
R636	YESRG605	Chip, 47kΩ 1/10W	
R637	YESRG568	Chip, 1kΩ 1/10W	
R638	YESRG568	Chip, 1kΩ 1/10W	
R640	YESRG568	Chip, 1kΩ 1/10W	
R641	YESRG568	Chip, 1kΩ 1/10W	
R642	YESRG568	Chip, 1kΩ 1/10W	
R643	YESRG568	Chip, 1kΩ 1/10W	
R644	YESRG568	Chip, 1kΩ 1/10W	
R645	YESRG568	Chip, 1kΩ 1/10W	
R646	YESRG569	Chip, 10kΩ 1/10W	
R647	YESRG569	Chip, 10kΩ 1/10W	
R655	YESRG569	Chip, 10kΩ 1/10W	
R656	YESRG603	Chip, 470Ω 1/10W	
R663	YESRG565	Chip, 0Ω 1/10W	
R664	YESRG565	Chip, 0Ω 1/10W	
R665	YESRG607	Chip, 510Ω 1/10W	
R667	YESRG605	Chip, 47kΩ 1/10W	
R669	YESRG604	Chip, 4.7kΩ 1/10W	
R670	YESRG599	Chip, 390kΩ 1/10W	
R698	YESRG570	Chip, 100kΩ 1/10W	
R699	YESRG570	Chip, 100kΩ 1/10W	
R701	YESRG639	Chip, 3.3kΩ 1/4W	
R702	YESRG633	Chip, 75kΩ 1/8W	
R703	YESRG627	Chip, 220kΩ 1/8W	
R704	YESRG602	Chip, 47kΩ 1/10W	
R705	YESRG617	Chip, 680kΩ 1/10W	
R706	YESRG568	Chip, 1kΩ 1/10W	
R707	YESRG605	Chip, 47kΩ 1/10W	
R708	YESRG568	Chip, 1kΩ 1/10W	
R710	YESRG568	Chip, 1kΩ 1/10W	
R725	YESRG628	Chip, 22kΩ 1/8W	
R728	YESRG565	Chip, 0Ω 1/10W	
R751	YESRG609	Chip, 51kΩ 1/10W	
R752	YESRG584	Chip, 220kΩ 1/10W	
R754	YESRG603	Chip, 470Ω 1/10W	
R756	YESRG570	Chip, 100kΩ 1/10W	
R774	YESRG624	Chip, 1kΩ 1/8W	
R778	YESRG565	Chip, 0Ω 1/10W	
R801	YESRG593	Chip, 330Ω 1/10W	
R802	YESRG569	Chip, 10kΩ 1/10W	
R803	YESRG565	Chip, 0Ω 1/10W	
R804	YESRG565	Chip, 0Ω 1/10W	
R805	YESRG565	Chip, 0Ω 1/10W	
R806	YESRG565	Chip, 0Ω 1/10W	
R807	YESRG616	Chip, 68kΩ 1/10W	
R808	YESRG604	Chip, 4.7kΩ 1/10W	
R809	YESRG604	Chip, 4.7kΩ 1/10W	
R811	YESRG583	Chip, 22kΩ 1/10W	
R812	YESRG614	Chip, 680Ω 1/10W	
R813	YESRG596	Chip, 3.3MΩ 1/10W	
R814	YESRG614	Chip, 680Ω 1/10W	
R815	YESRG616	Chip, 68kΩ 1/10W	
R816	YESRG597	Chip, 3.9kΩ 1/10W	

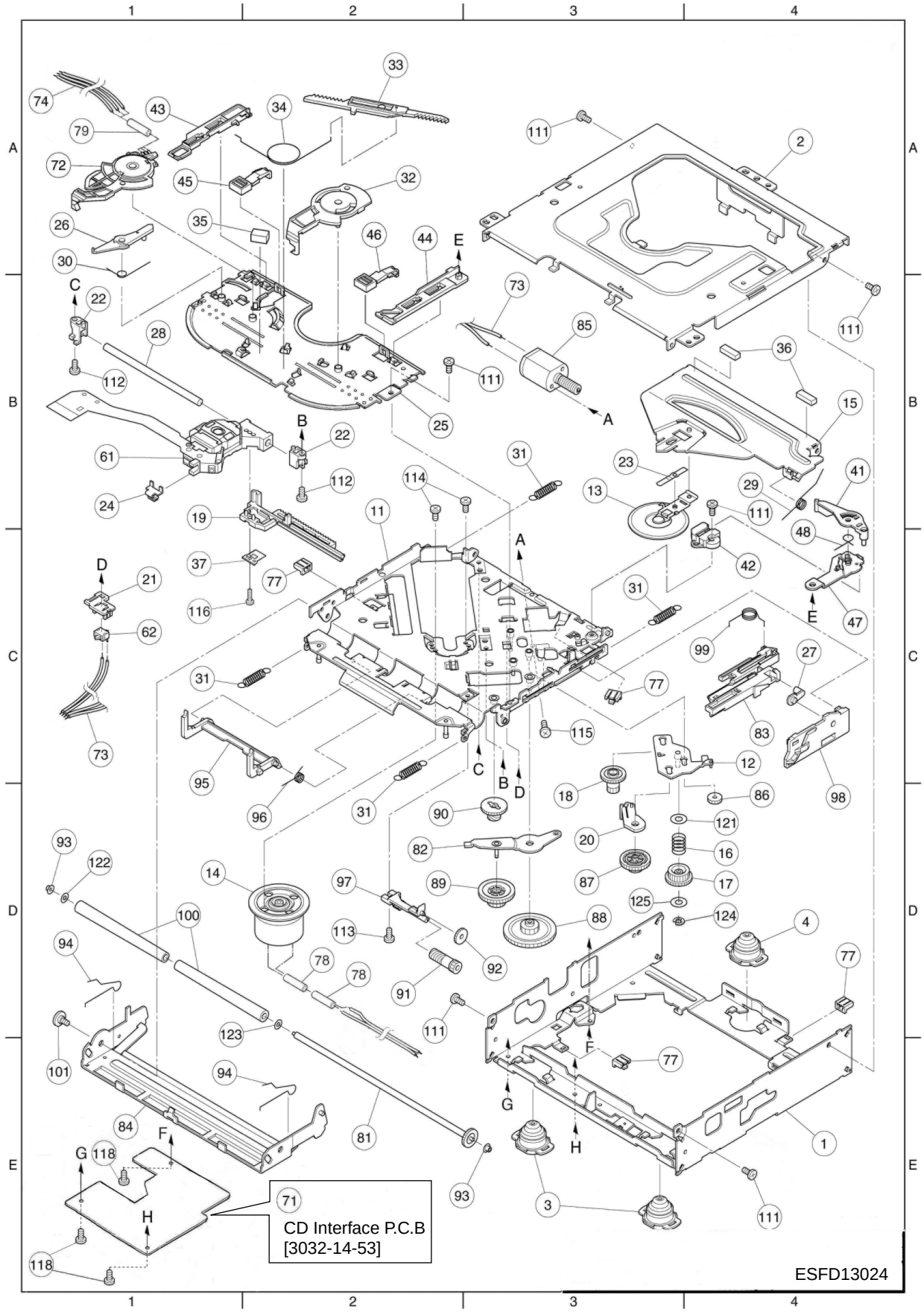
Ref. No.	Part No.	Part Name & Description	Remarks
R817	YESRG597	Chip, 3.9kΩ 1/10W	
R818	YESRG597	Chip, 3.9kΩ 1/10W	
R819	YESRG589	Chip, 2.7kΩ 1/10W	
R820	YESRG567	Chip, 100Ω 1/10W	
R821	YESRG590	Chip, 27kΩ 1/10W	
R822	YESRG568	Chip, 1kΩ 1/10W	
R823	YESRG568	Chip, 1kΩ 1/10W	
R824	YESRG568	Chip, 1kΩ 1/10W	
R825	YESRG568	Chip, 1kΩ 1/10W	
R827	YESRG605	Chip, 47kΩ 1/10W	
R836	YESRG565	Chip, 0Ω 1/10W	
R837	YESRG601	Chip, 47Ω 1/10W	
R838	YESRG606	Chip, 4.7Ω 1/10W	
R840	YESRG605	Chip, 47kΩ 1/10W	
R843	YESRG605	Chip, 47kΩ 1/10W	
R844	YESRG605	Chip, 47kΩ 1/10W	
R845	YESRG605	Chip, 47kΩ 1/10W	
R846	YESRG570	Chip, 100kΩ 1/10W	
R847	YESRG570	Chip, 100kΩ 1/10W	
R851	YESRG604	Chip, 4.7kΩ 1/10W	
R852	YESRG594	Chip, 3.3kΩ 1/10W	
R853	YESRG594	Chip, 3.3kΩ 1/10W	
R854	YESRG579	Chip, 2kΩ 1/10W	
R855	YESRG615	Chip, 6.8kΩ 1/10W	
R871	YESRG603	Chip, 470Ω 1/10W	
R872	YESRG568	Chip, 1kΩ 1/10W	
R873	YESRG568	Chip, 1kΩ 1/10W	
R874	YESRG640	Chip, 3.3Ω 1/4W	
R875	YESRG638	Chip, 33Ω 1/4W	
R895	YESRG622	Chip, 0Ω 1/8W	
R971	YESRG568	Chip, 1kΩ 1/10W	
R972	YESRG582	Chip, 2.2kΩ 1/10W	
R973	YESRG568	Chip, 1kΩ 1/10W	
R974	YESRG581	Chip, 220Ω 1/10W	
R975	YESRG568	Chip, 1kΩ 1/10W	
R976	YESRG581	Chip, 220Ω 1/10W	
R977	YESRG568	Chip, 1kΩ 1/10W	
R978	YESRG568	Chip, 1kΩ 1/10W	
R979	YESRG578	Chip, 180kΩ 1/10W	
R981	YESRG578	Chip, 180kΩ 1/10W	
CONNECTORs			
CN250	YESAE441	RCA Jack, 2P	
CN701	YESAE351	Connector 16P	
CN801	YESAE443	Connector, 22P	
CN971	YESAE455	Connector 15P	
COILs			
L050	YESLQ064	Inductor	
L051	YESLQ035	Inductor	
L201	YESLQ044	Inductor	
L601	YESLQ044	Inductor	
L701	YESLT032	Inductor	
L710	YESLQ063	Inductor	
L802	YESLQ048	Inductor	
CRYSTALs			
XL601	YESXL047	Crystal	
XL602	YESXL044	Crystal	
XL801	YESXL045	Crystal	
SERGE PROTECTOR / VARISTOR			
Z701	YESRTD016	Varistor	
[7231-05-11] Display Block			
IC's and TRANSISTORs			
IC901	YESAM427	IC	
IC902	YESAM264	IC	

Ref. No.	Part No.	Part Name & Description	Remarks
Q901	YESAN151	Transistor	
Q902	YESAN150	Transistor	
DIODEs			
D901	YESAD166	LED	A
D901	YESAD185	LED	B
D911	YESAD150	Zener Diode	
D912	YESAD190	Zener Diode	
D913	YESAD190	Zener Diode	
D915	YESAD189	Zener Diode	
D916	YESAD155	Diode	
D918	YESAD189	Zener Diode	
D921	YESAD166	LED	A
D921	YESAD185	LED	B
D922	YESAD166	LED	A
D922	YESAD185	LED	B
D923	YESAD166	LED	A
D923	YESAD185	LED	B
D924	YESAD166	LED	A
D924	YESAD185	LED	B
D925	YESAD166	LED	A
D925	YESAD185	LED	B
D926	YESAD166	LED	A
D926	YESAD185	LED	B
D927	YESAD166	LED	A
D927	YESAD185	LED	B
D928	YESAD166	LED	A
D928	YESAD185	LED	B
D929	YESAD166	LED	A
D929	YESAD185	LED	B
D930	YESAD166	LED	A
D930	YESAD185	LED	B
D931	YESAD166	LED	A
D931	YESAD185	LED	B
D932	YESAD166	LED	A
D932	YESAD185	LED	B
D933	YESAD166	LED	A
D933	YESAD185	LED	B
D934	YESAD166	LED	A
D934	YESAD185	LED	B
D941	YESAD180	LED	
D942	YESAD186	Zener Diode	
CAPACITORs			
C907	YESCC650	Ceramic, 1000pF 50WV	
C908	YESCC652	Ceramic, 0.1µF 16WV	
C911	YESCC670	Ceramic, 1µF 6.3WV	
C912	YESCC670	Ceramic, 1µF 6.3WV	
C913	YESCC662	Ceramic, 680pF 50WV	
C914	YESCC670	Ceramic, 1µF 6.3WV	
C941	YESCC652	Ceramic, 0.1µF 16WV	A
C942	YESCC652	Ceramic, 0.1µF 16WV	A
C943	YESCC652	Ceramic, 0.1µF 16WV	A
C944	YESCC652	Ceramic, 0.1µF 16WV	A
C945	YESCC652	Ceramic, 0.1µF 16WV	A
C946	YESCC652	Ceramic, 0.1µF 16WV	A
C947	YESCC652	Ceramic, 0.1µF 16WV	A
C948	YESCC652	Ceramic, 0.1µF 16WV	A
RESISTORs			
R902	YESRG576	Chip, 180Ω 1/10W	A
R902	YESRG591	Chip, 300Ω 1/10W	B
R903	YESRG603	Chip, 470Ω 1/10W	
R904	YESRG568	Chip, 1kΩ 1/10W	
R905	YESRG568	Chip, 1kΩ 1/10W	
R906	YESRG568	Chip, 1kΩ 1/10W	
R909	YESRG568	Chip, 1kΩ 1/10W	
R910	YESRG582	Chip, 2.2kΩ 1/10W	
R912	YESRG600	Chip, 43kΩ 1/10W	
R915	YESRG568	Chip, 1kΩ 1/10W	
R917	YESRG569	Chip, 10kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R918	YESRG569	Chip, 10kΩ 1/10W	
R919	YESRG569	Chip, 10kΩ 1/10W	
R921	YESRG630	Chip, 470Ω 1/8W	A
R921	YESRG632	Chip, 680Ω 1/8W	B
R922	YESRG630	Chip, 470Ω 1/8W	A
R922	YESRG632	Chip, 680Ω 1/8W	B
R923	YESRG630	Chip, 470Ω 1/8W	A
R923	YESRG632	Chip, 680Ω 1/8W	B
R924	YESRG630	Chip, 470Ω 1/8W	A
R924	YESRG632	Chip, 680Ω 1/8W	B
R925	YESRG630	Chip, 470Ω 1/8W	A
R925	YESRG632	Chip, 680Ω 1/8W	B
R926	YESRG630	Chip, 470Ω 1/8W	A
R926	YESRG632	Chip, 680Ω 1/8W	B
R927	YESRG634	Chip, 820Ω 1/8W	A
R927	YESRG625	Chip, 1.3kΩ 1/8W	B
R931	YESRG582	Chip, 2.2kΩ 1/10W	
R932	YESRG605	Chip, 47kΩ 1/10W	
R941	YESRG637	Chip, 300Ω 1/4W	
R961	YESRG605	Chip, 47kΩ 1/10W	
R962	YESRG605	Chip, 47kΩ 1/10W	
R963	YESRG605	Chip, 47kΩ 1/10W	
R964	YESRG605	Chip, 47kΩ 1/10W	
R966	YESRG622	Chip, 0Ω 1/8W	
CONNECTORs			
CN901	YESAE456	Connector 15P	
CN902	YESAE453	Jack (AUX1)	
SWITCH			
SW901	YESAS133	Rotary Encoder	
LCD			
LD901	YESXDCM043	LCD	
Accessories			
PRINTINGS			
	-	Operating Instructions (English)	TSN, A
	-	Operating Instructions (French)	TSN, A
	-	Operating Instructions (Spanish)	TSN, A
	YGFM286048	Operating Instructions (English)	B
	YGFM286050	Operating Instructions (Spanish)	B
	-	Installation Instructions	TSN, A
	YGFM294416	Installation Instructions	B
INSTALLATION PARTS			
	YEP0FZ5698	Installation kit (Lock Cancel Plate, Mounting Bolt, Rubber Bushing)	
	YEFX0217263A	Mounting Collar	
	YGFC051023	Trim Plate	
	K1HY12YY0003	Power Connector	
	YESFZ297	Remote Control Unit	
	CR2025/1F	Lithiume Battery	⚠
	YGFA134302	Removable Face Plate Case	B
MECHANICAL PARTS			
MISCELLANEOUS			
AT051	YESAE459	Antenna Receptacle	
1	YESFA01084	Main Chassis	
2	YESFX005155	Ground Contactor	
4	YESFA05037	Bottom Cover	
5	YESFF01088	Heat Sink	
20	YESAP630	Main PCB w/Components	RTL
21	YESFA08060	Rear Plate	
30	YESFC02286	Escutcheon	

Ref. No.	Part No.	Part Name & Description	Remarks
31	YESFS01092	Dust Felt	
32	YESFX999109	Lock Hook	
33	YESFX999110	Release Hook	
34	YESFX005194	Lock Spring	
35	YESFX005195	Release Spring	
36	YESFS01097	Panel Cushion	
50	YESSDF0209	Removable Face Plate Unit	RTL, A
50	YESSDF0210	Removable Face Plate Unit	RTL, B
51	YESFC02279	Front Face Ass'y	A
51	YESFC02278	Front Face Ass'y	B
52	YESFA13027	Rear Cover	
53	YESFE02033	VOL Knob	
54	YESFX005138	Knob Spring	
55	YESFE13322	Button 5p	
56	YESFE13324	Button (FOLDER)	
57	YESFE13327	Button (TUNE UP)	
58	YESFE13323	Button (EJECT)	
59	YESFE13326	Button (RELEASE)	
60	YESFX005152	Release Spring	
61	YESAP635	Display PCB w/Components	RTL, A
61	YESAP639	Display PCB w/Components	RTL, B
62	YESFE13325	Button (PRESET)	
63	YESFX001045	Panel Light	
92	YESFM01086	Laser Seal	
100	YESJS01189	Screw, 2.6*4.0	
101	YESJT03076	Tapping Screw, 2*6	
102	YESJS01190	Screw, 2.6 * 6.0	
103	YESJS01187	Bind Screw, 2.6 * 10	
104	YESJT03075	Tapping Screw, 2.0*8.0	

10.5. Exploded View [CD Deck]



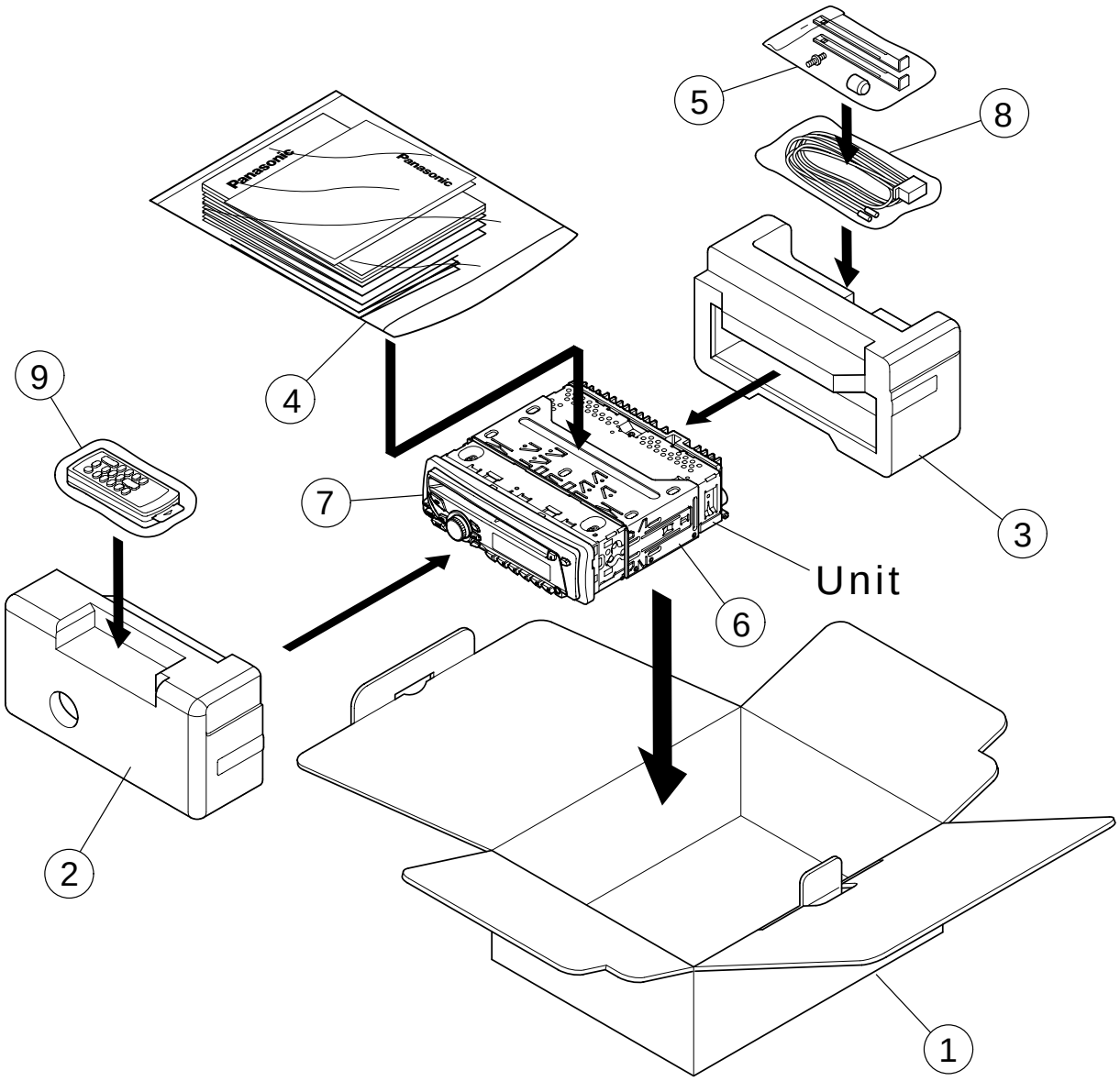
10.6. CD PLAYER PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
   • Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-53] CD Interface Block			
CONNECTORs			
CN1	YESAE439	Connector, 22P	
CN2	YESAE415	Connector, 16P	
MECHANICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFA01075	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01051	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece L	
46	YERFX046011	Select Piece R	
61	YESSZ1093	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP641	CD Interface PCB w/Components	RTL
72	YESFX046176	Mode Switch	
73	YESAJ02017	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	Wire Tube SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01042	LOADING/FEED Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide(N)	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw, 2*3	
112	YERJT01002	Tapping Screw, 2*4	
113	YEJT03117	Tapping Bind Screw, 2*4	
114	YERJS01002	Camera Screw, 1.7*1.8	
115	YERJS01003	Camera Screw, 2*2	
116	YERJS01004	Camera Tapping Screw 1.7*5	
118	YESJS01148	Screw, 2*4	
121	YERJW01001	P Washer, 3.5*8*0.3	
122	YESJW01041	Washer 2.05*4.2*0.2	
123	YERJW01003	Lumilar Washer 3.1*6*0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	P Washer, 2.1*4*0.13	

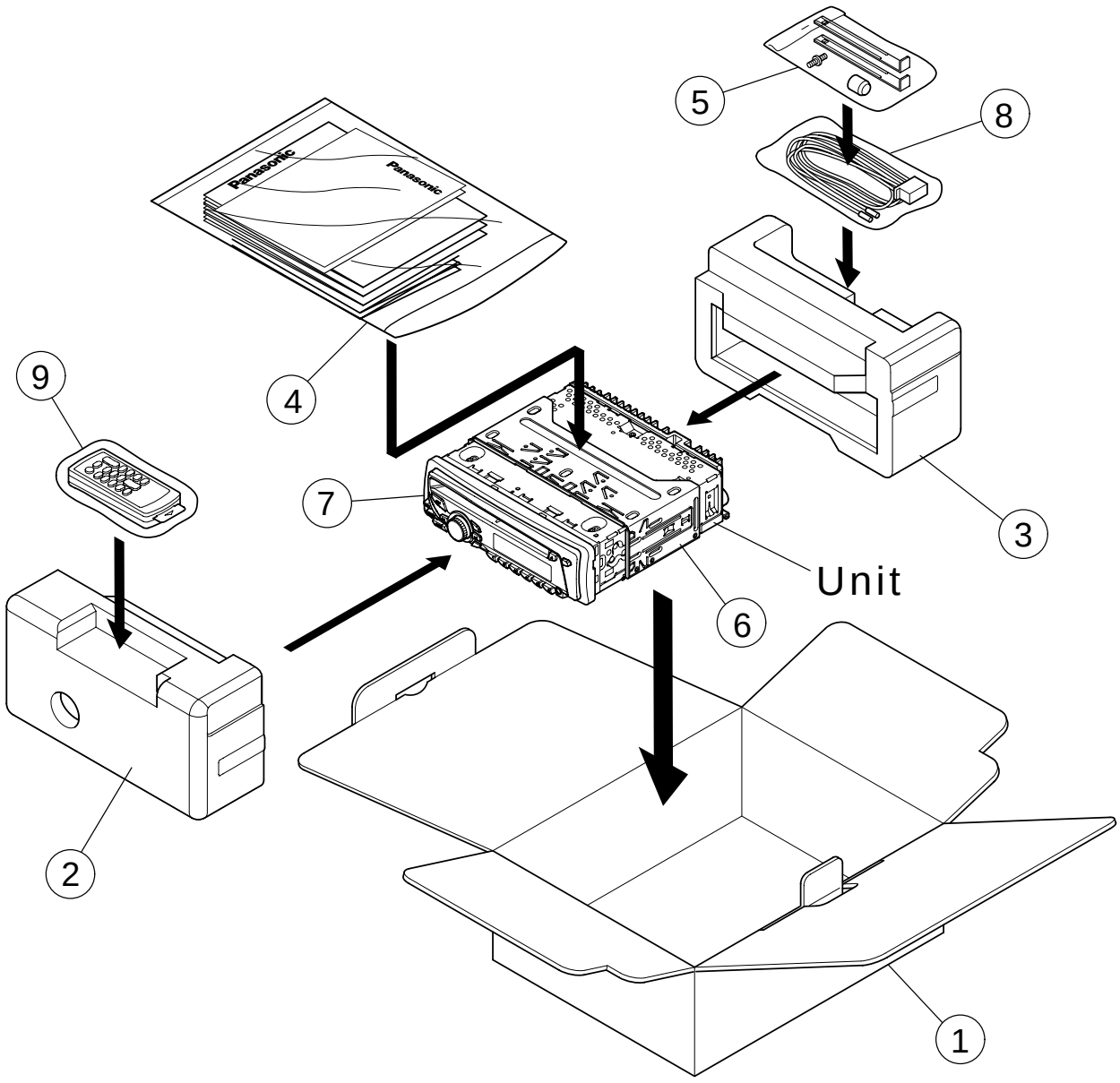
10.7. Packing Parts List [CQ-RX200U]



• Item numbers listed below should not order regular spare parts. **(not available)**

Item No.	Parts No.	Part Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not available
2	-	Packing Pad (Front)	1	Not available
3	-	Packing Pad (Rear)	1	Not available
4	-	Instructions Kit	1	Not available
	-	Operating Instructions (English)	(1)	TSN
	-	Operating Instructions (French)	(1)	TSN
	-	Operating Instructions (Spanish)	(1)	TSN
	-	System Upgrade Guidebook	(1)	TSN
	-	Installation Instructions	(1)	TSN
5	YEP0FZ5698	Installation kit (Lock Cancel Plate, Mounting Bolt, Rubber Bushing)	1	
6	YEFX0217263A	Mounting Collar	1	
7	YGFC051023	Trim Plate	1	
8	K1HY12YY0003	Power Connector	1	
9	YESFZ297	Remote Control Unit	1	
	CR2025/1F	Lithiume Battery	1	

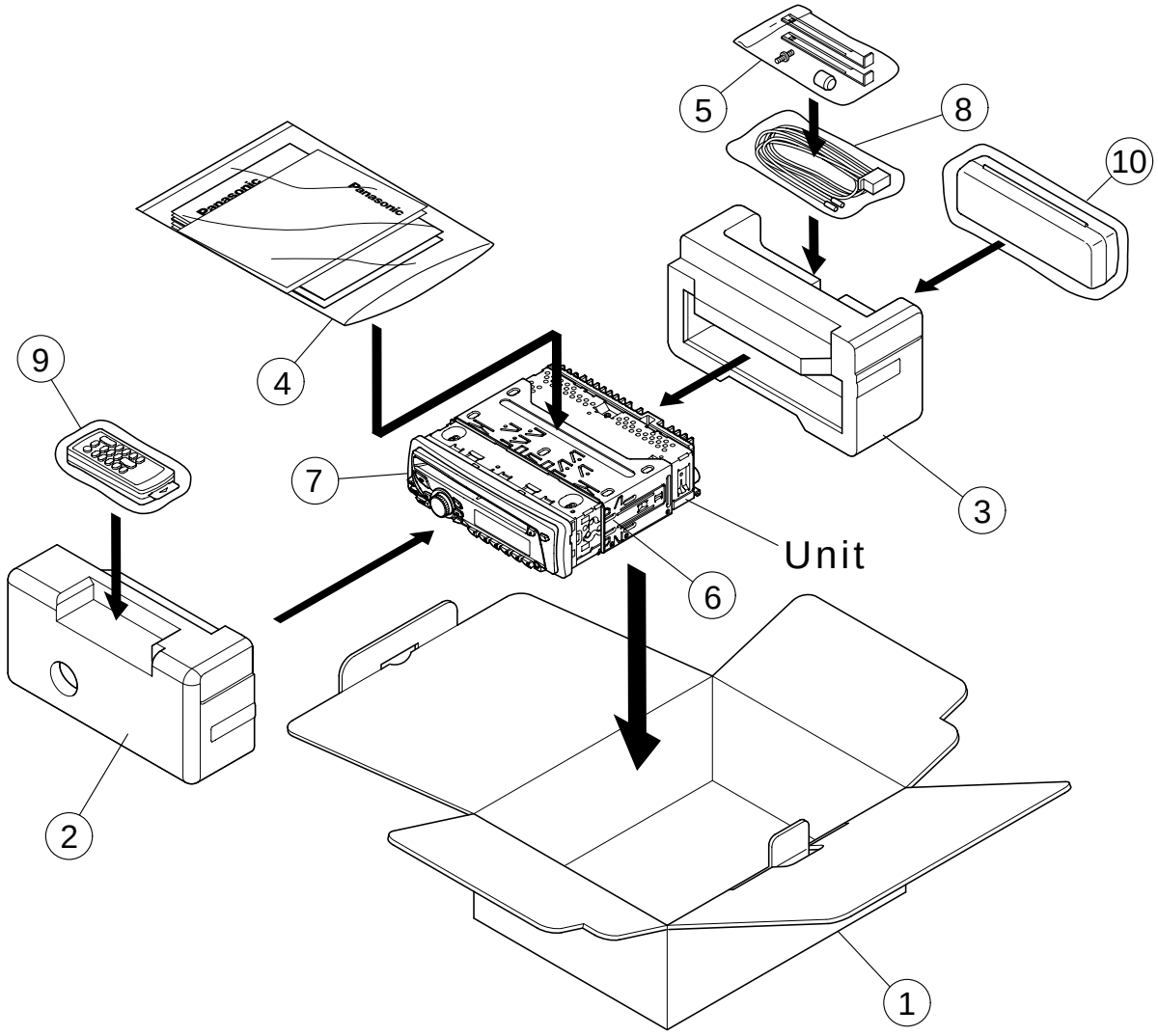
10.8. Packing Parts List [CQ-RX100U]



• Item numbers listed below should not order regular spare parts. **(not available)**

Item No.	Parts No.	Part Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not available
2	-	Packing Pad (Front)	1	Not available
3	-	Packing Pad (Rear)	1	Not available
4	-	Instructions Kit	1	Not available
	-	Operating Instructions (English)	(1)	TSN
	-	Operating Instructions (French)	(1)	TSN
	-	Operating Instructions (Spanish)	(1)	TSN
	-	Installation Instructions	(1)	TSN
5	YEP0FZ5698	Installation kit (Lock Cancel Plate, Mounting Bolt, Rubber Bushing)	1	
6	YEFX0217263A	Mounting Collar	1	
7	YGFC051023	Trim Plate	1	
8	K1HY12YY0003	Power Connector	1	
9	YESFZ297	Remote Control Unit	1	
	CR2025/1F	Lithiume Battery	1	

10.9. Packing Parts List [CQ-RX100L]

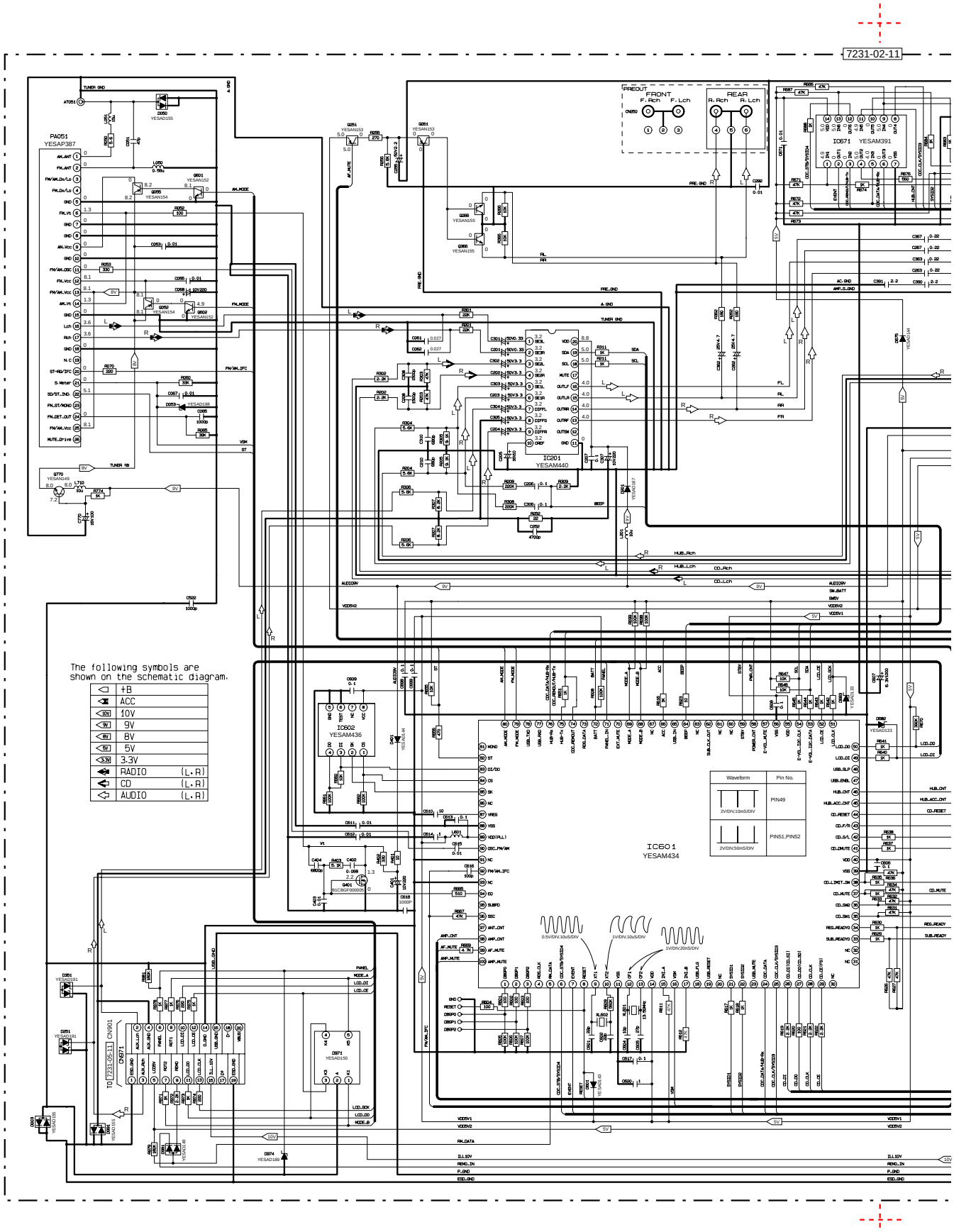


• Item numbers listed below should not order regular spare parts. **(not available)**

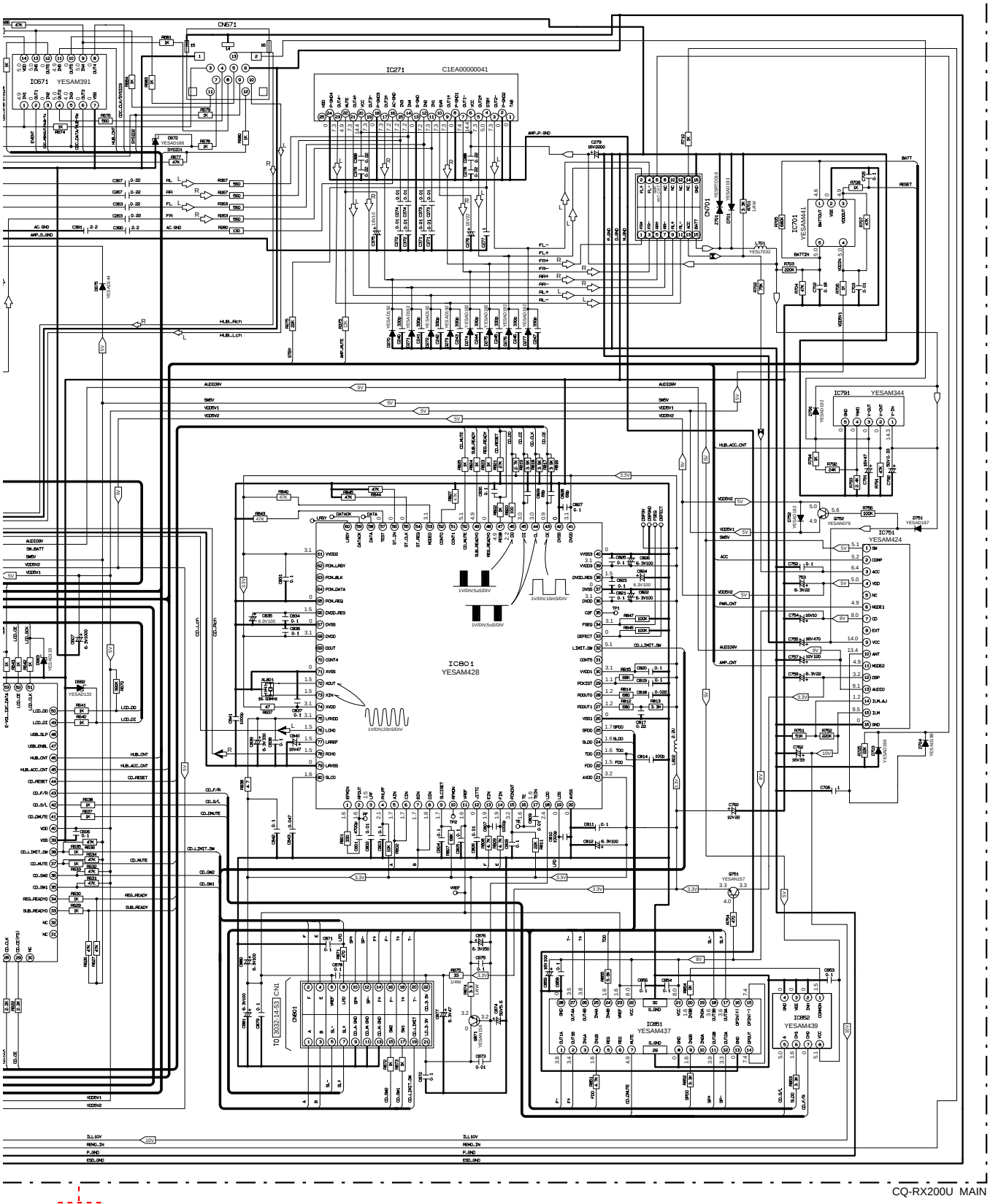
Item No.	Parts No.	Part Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not available
2	-	Packing Pad (Front)	1	Not available
3	-	Packing Pad (Rear)	1	Not available
4	-	Instructions Kit	1	Not available
	YGFM286048	Operating Instructions (English)	(1)	
	YGFM286050	Operating Instructions (Spanish)	(1)	
	YGFM294416	Installation Instructions	(1)	
5	YEP0FZ5698	Installation kit (Lock Cancel Plate, Mounting Bolt, Rubber Bushing)	1	
6	YEFX0217263A	Mounting Collar	1	
7	YGFC051023	Trim Plate	1	
8	K1HY12YY0003	Power Connector	1	
9	YESFZ297	Remote Control Unit	1	
	CR2025/1F	Lithiume Battery	1	
10	YGFA134302	Removable Face Plate Case	1	

11 Schematic Diagram for Printing with Letter Size

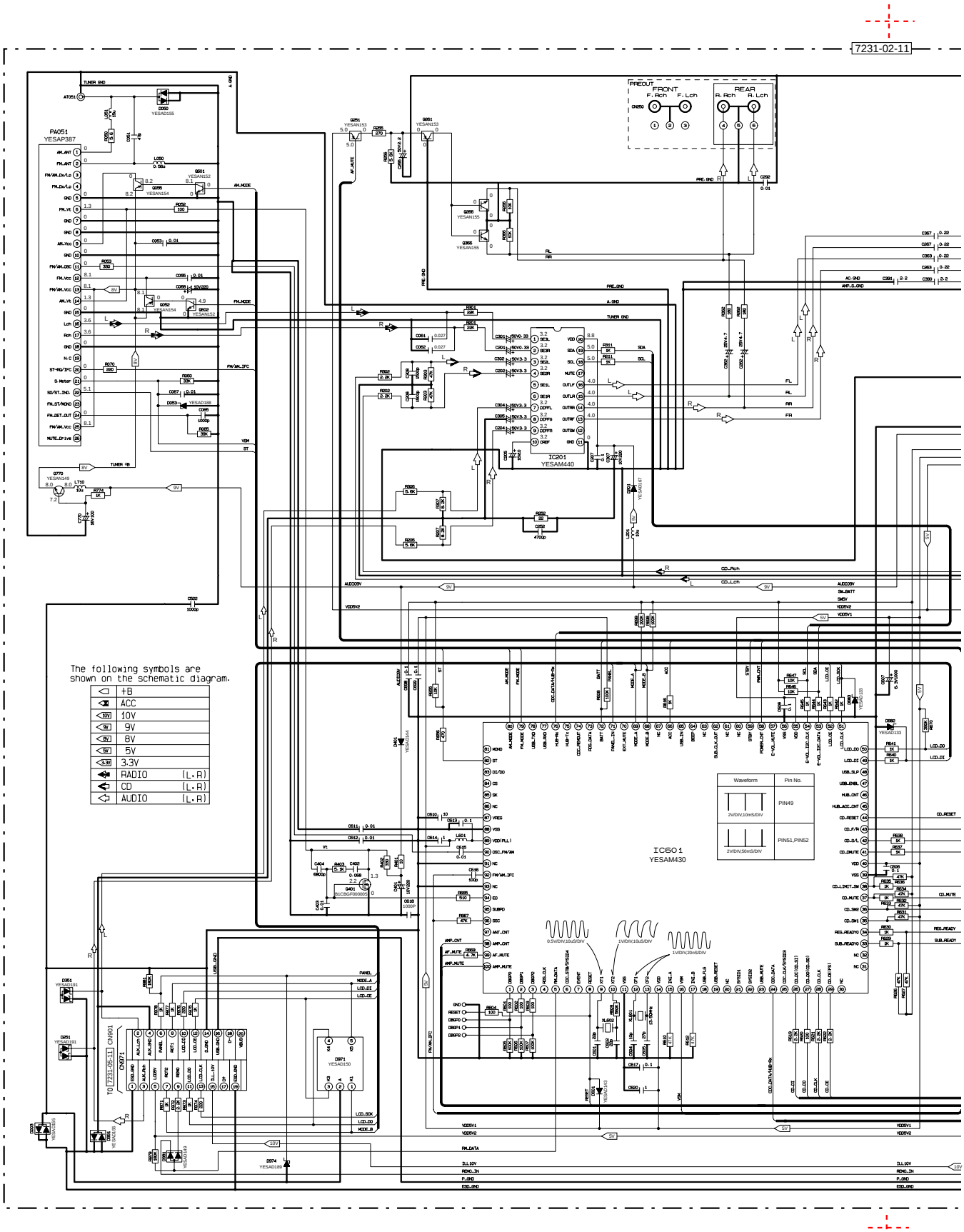
11.1. Main Block[CQ-RX200U] (Left Side)



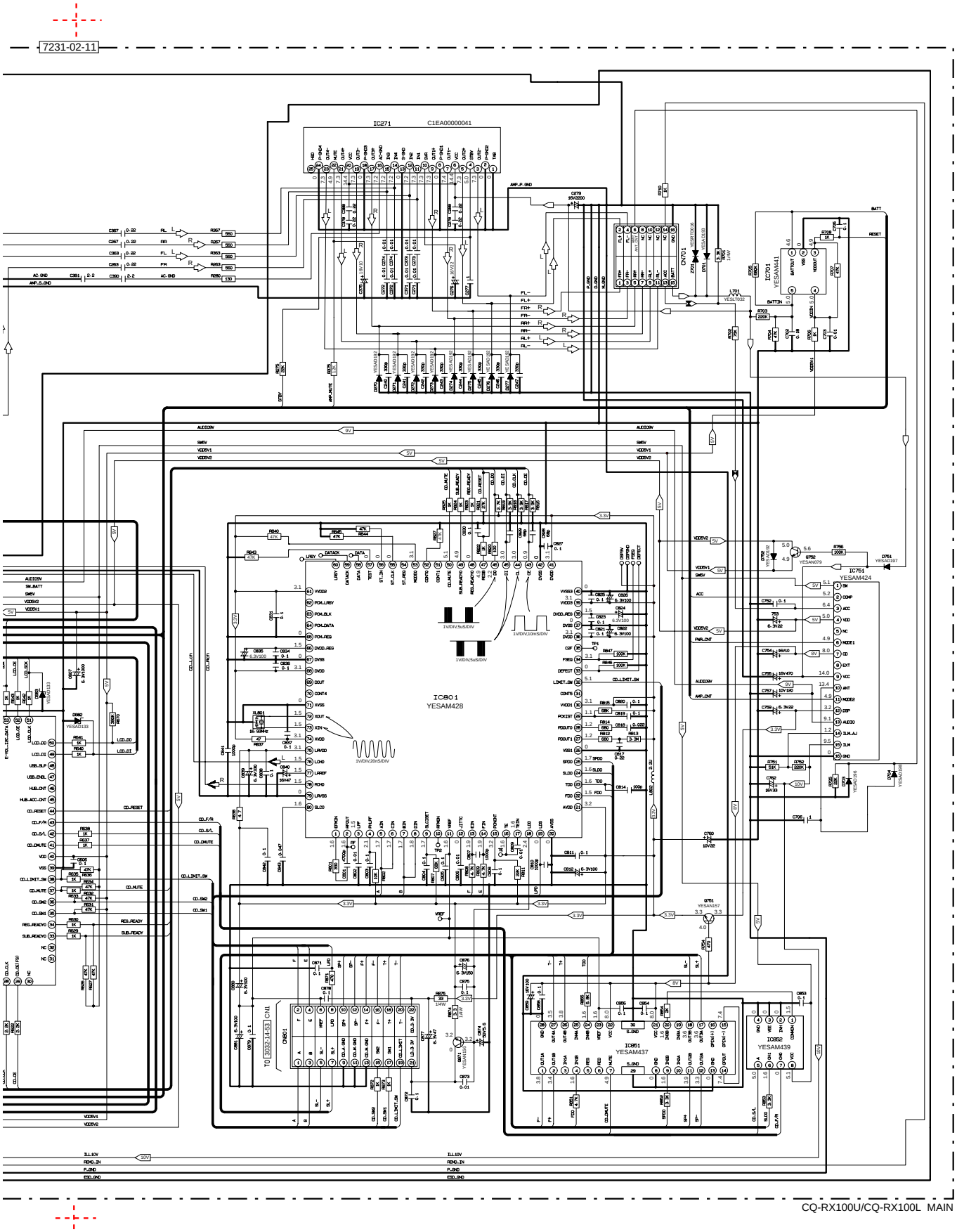
11.2. Main Block[CQ-RX200U] (Right Side)



11.3. Main Block[CQ-RX100U/RX100L] (Left Side)

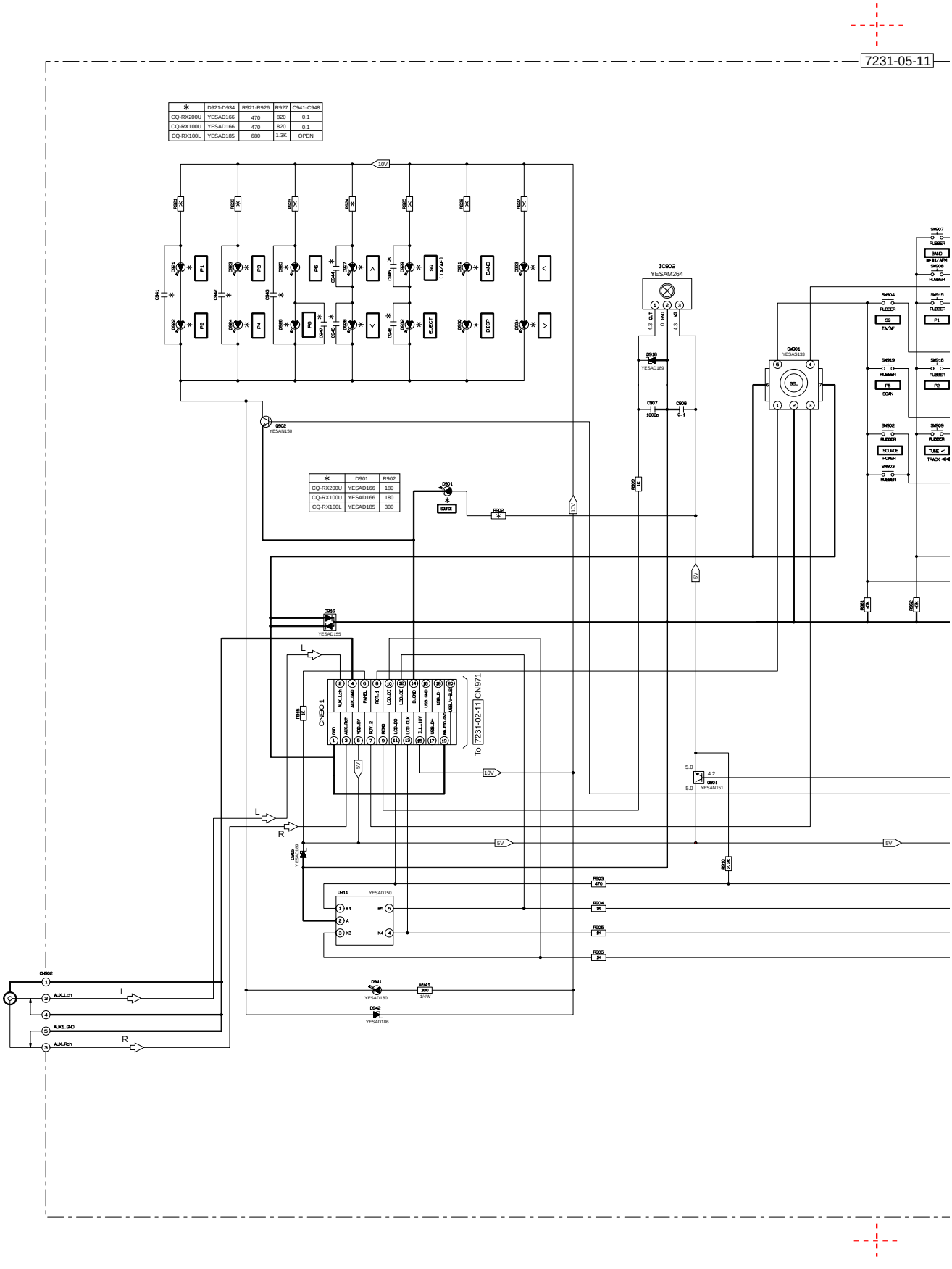


11.4. Main Block[CQ-RX100U/RX100L] (Right Side)



CQ-RX100U/CQ-RX100L MAIN

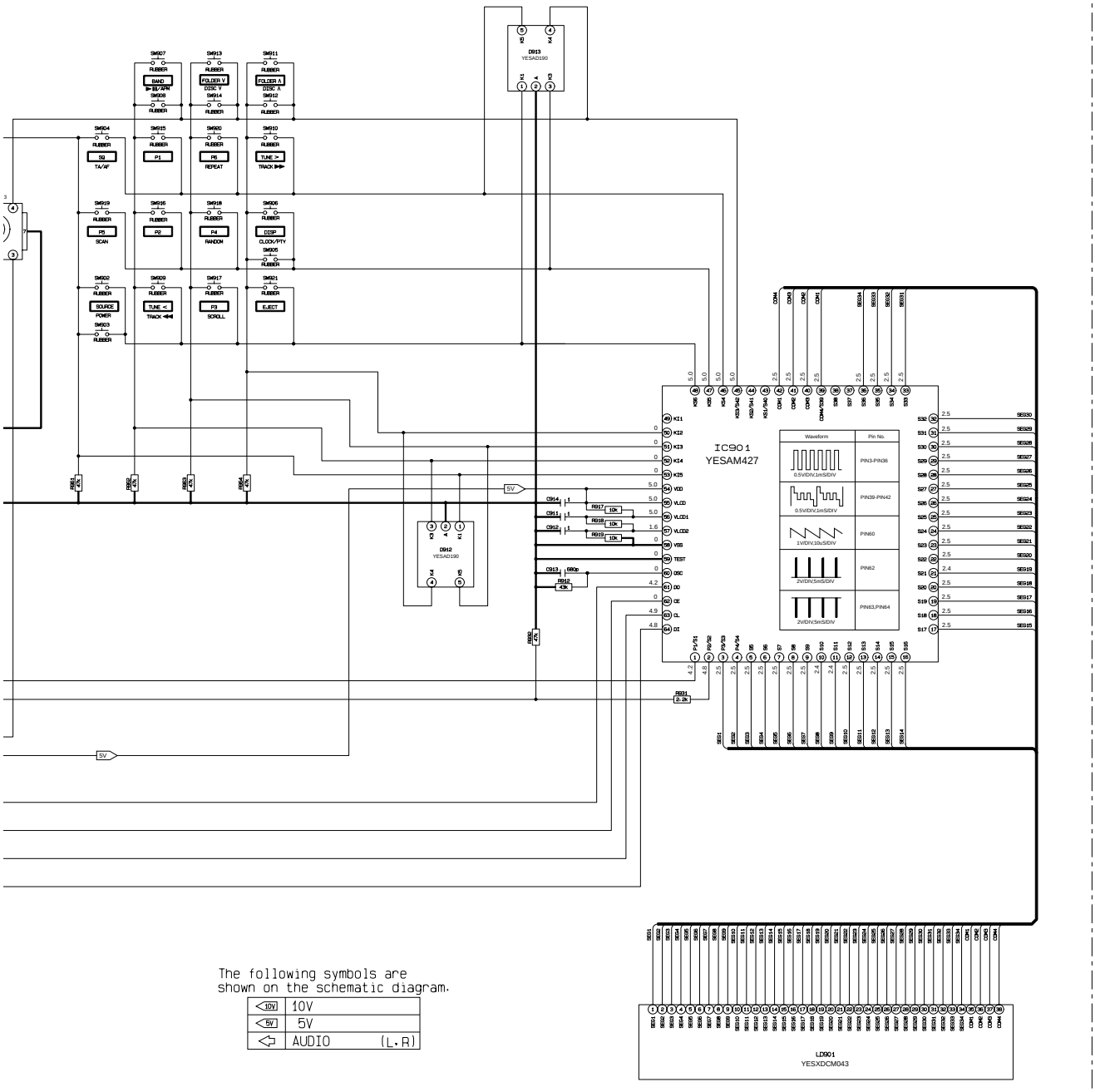
11.5. Display Block (Left Side)



*	D921-D934	R921-R926	R927	C941-C948
CQ-RX200U	YESAD166	470	820	0.1
CQ-RX100U	YESAD166	470	820	0.1
CQ-RX100L	YESAD185	680	1.3K	OPEN

*	D901	R902
CQ-RX200U	YESAD166	180
CQ-RX100U	YESAD166	180
CQ-RX100L	YESAD185	300

11.6. Display Block (Right Side)



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